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The Organ of the Provision and Meat Industries of the United States.

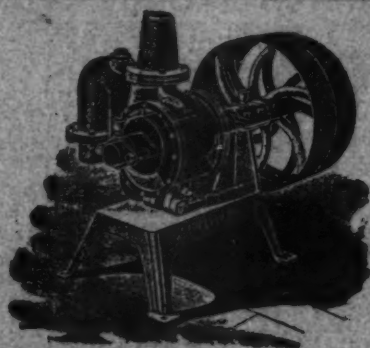
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Vol. XVII.—No. 3.

NEW YORK AND CHICAGO, SATURDAY, JULY 17, 1897.

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Oils, Fats, Brine, Glue, Soap, etc.

Put in on Positive Guarantee and
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PUMPS { HOT COLD THICK THIN } FLUIDS.

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| 17 and up | \$2.10 |
| 12 to 17 lbs. | 1.80 |
| 9 " 12 " | 1.50 |
| 7 " 9 " | 1.25 |
| 5 " 7 " | .85 |
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SHEEP AND LAMB SKINS, PELTS.

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SEE PAGE 7, INDEX TO ADVERTISEMENTS.

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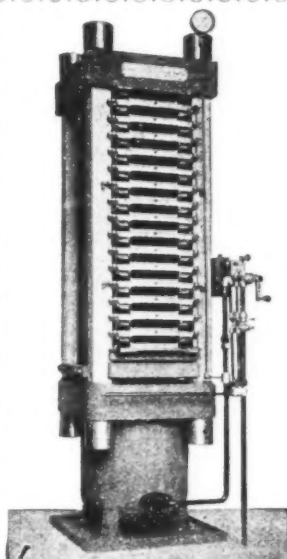
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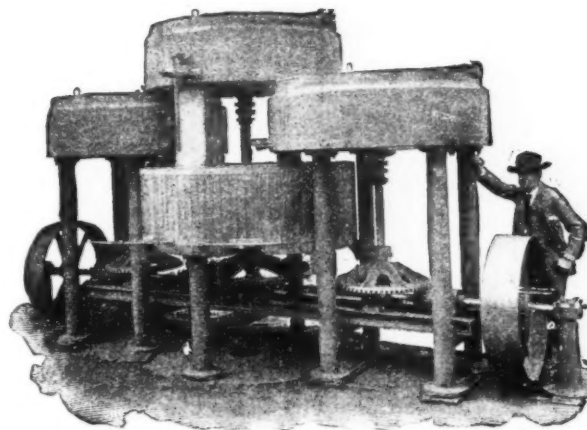
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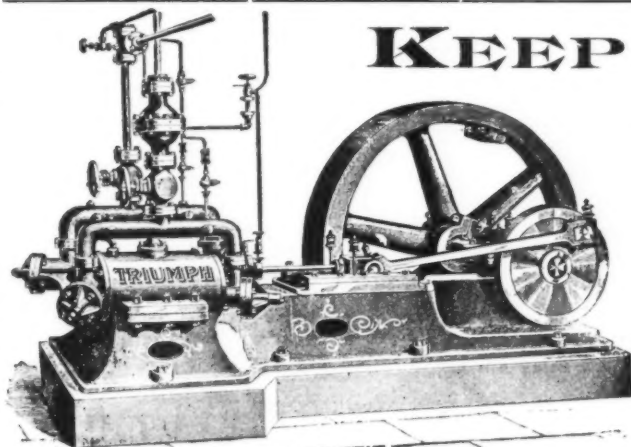
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The Very Latest Improvements
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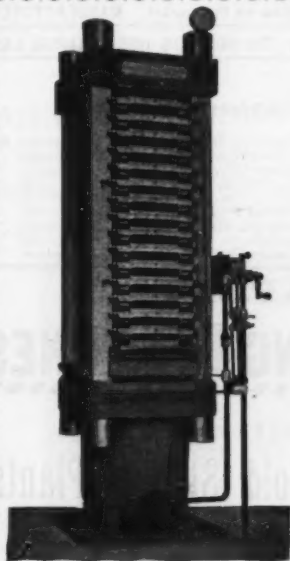
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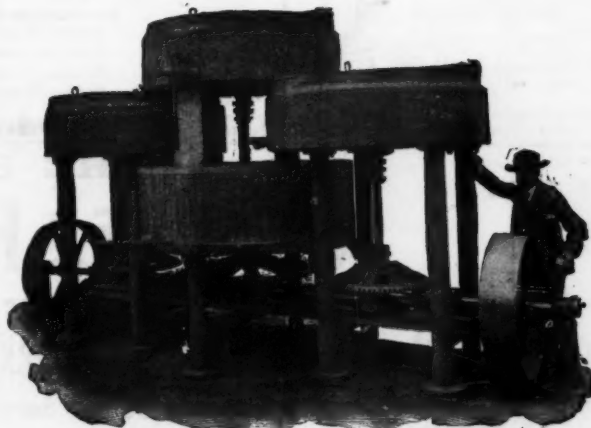
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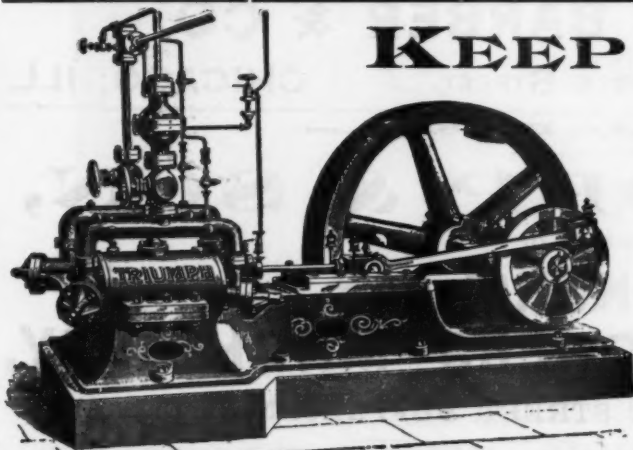
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The Most Perfect System
of Pressure Application.

The Very Latest Improvements
and the Very Best.



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PITTSBURGH, PA., Room 702, German National
Bank Bldg.
BUTTE, MONT., Room 37, Lewishohn Bldg.
CITY OF MEXICO, 8 Calle Gante.

Milwaukee, Wisconsin,
U. S. A.

The Riverside Iron Works Co. KANSAS CITY, Kan.

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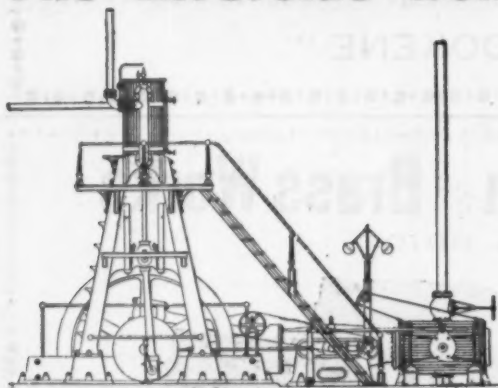
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of any Size or Capacity, on the Compression Principle, also Manufacturers of SPECIAL AMMONIA FITTINGS which are superior to anything now on the market. MANUFACTURERS OF PACKING HOUSE MACHINERY OF ALL KINDS. The ROBERTS HOG SCRAPER, LARD ROLLERS IN ONE PIECE.

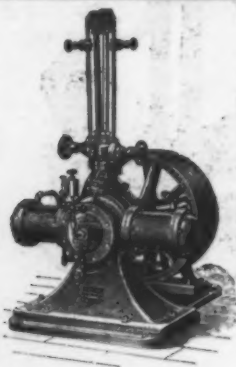
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| Omaha Brewing Association, Omaha, Nebraska..... | 1 | 75-ton " |
| Kansas City Ice and Cold Storage Co., Kansas City, Mo. 1 | 1 | 100-ton " |
| Kansas City Ice and Cold Storage Co., Kansas City, Mo. 1 | 1 | 150-ton " |
| Ryan & Richardson, Leavenworth, Kan..... | 1 | 100-ton " |
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150 Ton Refrigeration Machine.



THE BEST AND CHEAPEST SMALL ICE AND REFRIGERATING MACHINES

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Over 300 in Successful Operation. Requires No Engineer.

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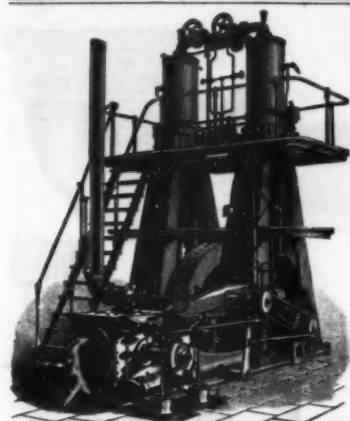
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A. O. FRICK, Vice-President.
H. B. STRICKLER, Treasurer.
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Corliss Steam Engines. Ice Making Machinery.

High Speed Engines. Steam Boilers.

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ENGINEERS, FRANKLIN COUNTY, PA.**

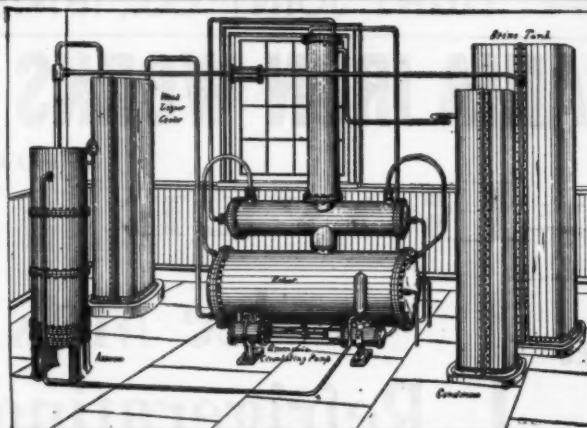
Simplest. Best. Lowest Price.

CONDUCT ICE-MAKING OR REFRIGERATING MACHINE.

Uses Less Fuel, Than Any
Uses Less Water, Other System

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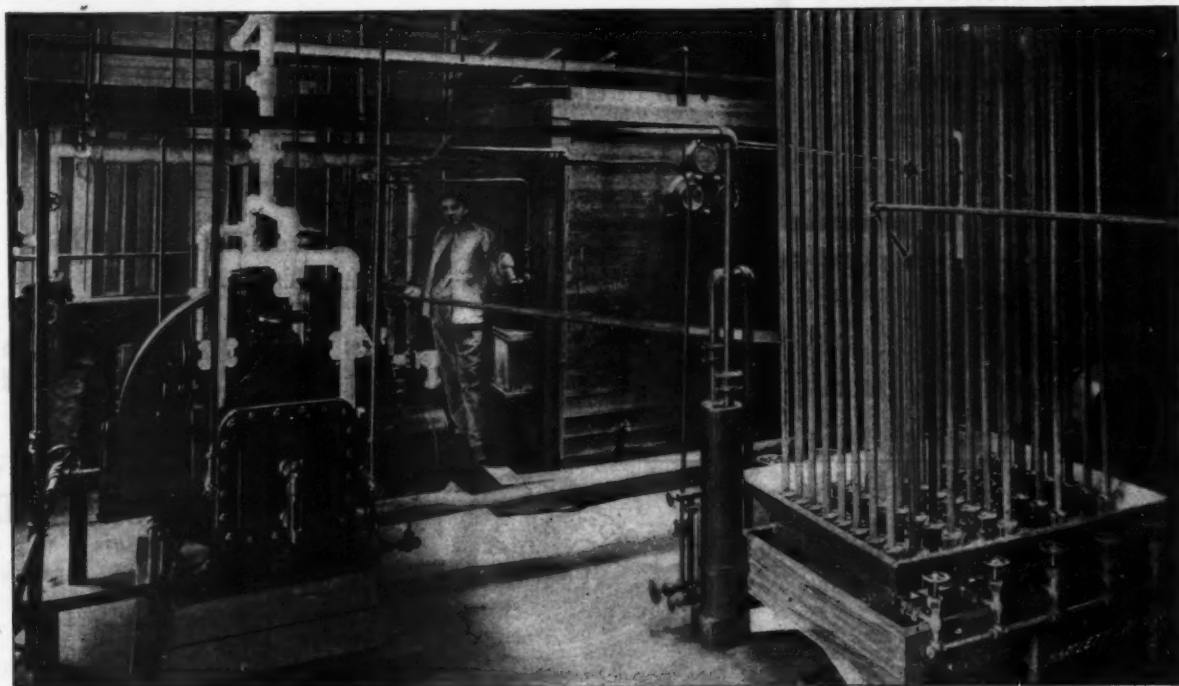
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CENTRAL LARD CO., Lard Refiners,
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Jersey City, N. J.
JAMES McILHINNEY, Provisions,
Jersey City, N. J.
D. FULLERTON & CO., Slaughterers,
Paterson, N. J.
MONMOUTH ICE CO., Mfg. Ice,
Seabright, N. J.
FIDELITY WAREHOUSE & COLD
STORAGE CO., General Cold Storage,
Trenton, N. J.
PETERSBURG CRYSTAL ICE CO.,
Mfg. Ice, Petersburg, Va.
WM. GRANT'S SONS, Provisions,
Springfield, O.
ISAAC WHIFFEN'S SONS, Provisions,
Utica, N. Y.
COOKE BROS., Oil Works,
Elizabeth, N. J.
HOTEL MARGARET, Brooklyn, N. Y.



Last week this space contained a cut of the meat room of the Cook County Hospital, Chicago, Ill., and referred to the new refrigerating plant which had been installed. The above shows it fully. The compressor is belted from the small engine in the back ground and hides the brine pump which is near the brine tank. The Condenser is of the vertical evaporative type, economical of water and easily handled. Such a plant is efficient, durable and convenient.

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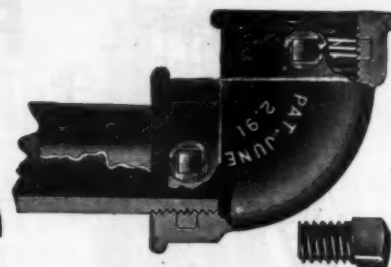
ENGINEERS.

PITTSBURG, Westinghouse Building.

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MALLEABLE IRON

AMMONIA
FITTINGS

For ICE & REFRIGERATING MACHINES

NEVER LEAK.

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For Breweries, Cold Storage
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BUILDERS OF **GAS AND GASOLINE ENGINES**

FOR STATIONARY AND MARINE SERVICE.

ALSO, ICE MAKING PLANTS OF
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"ECLIPSE"

Silent Meat Cutting Machines

Are conceded by the Trade, both in this
country and Europe, to be

THE BEST MACHINES EVER PUT ON
THE MARKET.

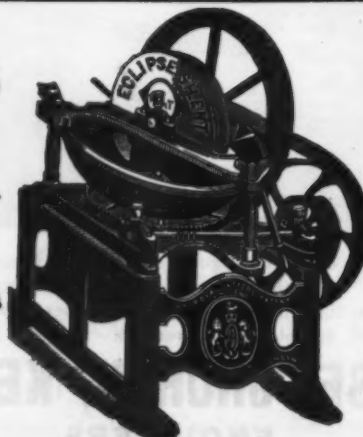
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WRITE US FOR PRICES

ON CARLOAD LOTS OF

Dressed Beef, Mutton, Veal and Hogs,
also Sweet Pickled and Smoked
Meats, Kettle-Rendered Lard,
etc.

We are in the great Iowa cattle and hog
belt and think we can do you some good.

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THE NATIONAL PROVISIONER.

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ONLY \$4.00 FOR 52 WEEKLY ISSUES.
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You Can Sell ARMOUR'S WASHING POWDER

2 PACKAGES FOR 5 CENTS.

For particulars write your jobber, or The Armour Soap Works, Chicago.

ARMOUR'S WHITE FLOATING SOAP IS A SURE SELLER. Name is good, quality is good, and price is right.

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MILWAUKEE.—Chas. Baumbach Co.

SAN FRANCISCO.—Pacific Ammonia & Chemical Co.—Geo. Herrmann.
KANSAS CITY.—Wm. H. Jennings.
ST. LOUIS.—Mallinckrodt Chemical Works.—Larkin & Scheffer.
CHICAGO.—A. Magnus' Sons.—Fuller & Fuller Co.
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CINCINNATI.—Herman Goepper & Co.
CLEVELAND.—Cleveland Commercial Co.
BOSTON.—Lyons & Alexander Co.
PITTSBURGH.—Union Storage Co.
NEW ORLEANS.—L. N. Brunswig.
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SYDNEY, AUSTRALIA.—F. W. & P. Hudson.

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PRODUCER'S WHITE LABEL PURE LEAF LARD.
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PRICES MADE ON SWEET PICKLE PORK and
BEEF HAMS UPON APPLICATION.

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THE ORGAN OF THE PROVISION AND MEAT INDUSTRIES OF THE UNITED STATES.

PUBLISHED WEEKLY.

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Foreign Countries, except Canada (£1) - 5.00

NEW YORK AND CHICAGO.

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52 PAGES.

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THE AGE OF REVOLUTION.

Every once in a while we hear of some discovery or another in various branches of industry which is going to "revolutionize things and turn existing arrangements upside down." Archimedes, who believed he could lift the world with a lever, was not nearly as optimistic about his ability to give creation a turn as are some of these nineteenth century revolutionists. The science of refrigeration gets a great deal of attention in this line, and we are consequently never surprised when we hear of some extraordinary invention which is heralded as a god-send for the meat trade, and upon which some poor genius has spent the best days of his life, only to be rewarded at last by positive success.

We regard these discoveries in a much more than a "cum grano salis" sense; in fact, we have become sceptical, and never believe much in this form of revolution until the evidence of having been revolutionized is apparent. New Zealand has the revolution fever just now, and once more we find that the question of refrigerating, or rather freezing meats, is the one being worked upon. The new process is to begin to freeze from the center, so as to drive all animal heat outwards, instead of the old method of cooling and freezing from the outside. Now the freezing of meats is something which is looked upon as a back number on this Continent, although the discovery is spoken of as likely to give our methods, as well as in other countries, a new turn, "as it means that by the new process frozen meat can be put in the market with an absolute certainty of being entirely free from bone stink."

In further explanation of this "valuable discovery," it is pointed out that in hot climates, such as Australia, South America, etc., it is found extremely difficult to freeze beef, as the carcasses cannot be cooled of the latent animal heat before putrefaction sets in. It is also found that if freezing is commenced before this heat is got rid of, the cold on the outside concentrates the heat inwards to the bone (and is followed by bone stink), much in the same way as if a bottle of whiskey or brandy were placed in a freezing chamber, the water in the bottle would freeze from without inwards, filtering out the alcohol in the process and concentrating it in the center; or as salt water when frozen filters out the salt, and only the pure water is converted into ice. In applying cold to imperfectly cooled meat, the outside of the meat becomes frozen and ice being a very bad conductor of heat seals up all the latent animal heat. This heat is driven inwards to the bone as the freezing process goes on. This, it is argued, if the same amount of heat is concentrated into a very much smaller space, it stands to reason that the temperature of this concentrated heat must be very much raised and putrefaction necessarily set up.

We find other advantages dilated upon in an extended way.

The apparatus which is to do such wonders is a hollow steel, shaped somewhat like the scabbard of a sword, but divided longitudinally from the hilt to near the apex by a steel septum. The brine or other freezing agent enters this from the supply pipe, through the tube to the hilt of the instrument, passes up one side to the point, returns down the other, then passes out through the second tube to the exhaust pipe, and is returned to the refrigerator to be re-cooled. When operating the instrument is inserted through the hole in the aitch-bone up the thick part of the thigh, at the back, and immediately behind the thigh bone, to the back of the stifle joint. Of course, in freezing the forequarter the instrument is passed up by the shoulder joint, along the back of the blade bone. To withdraw the instrument the freezing agent is cut off by a triple cock, and a warm fluid passed through, which instantly releases the adhesion between the blade and the meat.

In the above brief description our readers have the latest revolutionary agent in a nutshell. We do not know how soon it may reach these shores, but in the meantime we do not anticipate any radical upheaval in existing arrangements on this side. We merely call attention, "en passant," to the "very latest" thing out.

THE GREAT EXPORT YEAR.

As the exponent of industries which derive considerable of their strength and volume from their exports, this paper rejoices, as well it should, to be able to announce to-day that for the fiscal year ending June 30 last, the volume of exports from this country was greater than ever before in its history. This is certainly a matter for general congratulations.

The total exports of merchandise for the year were \$1,051,987,091. The largest previous record was in 1892, when the bounty of the American crops supplied the deficiency in Europe, and the whole volume of exports was \$1,030,278,148. The volume of exports of domestic merchandise at that time was \$1,015,732,011, while the amount for 1897 was \$1,032,996,880. The excess of exports over imports was also greater for 1897 than in any previous year, amounting to \$287,613,186, against a balance in 1879 of \$264,661,666, in 1881 of \$259,712,718, in 1878 of \$257,814,234 and in 1894 of \$237,145,950. The balance in 1892 was only \$202,875,686. The conditions from 1878 to 1881 were similar to those existing in 1892, when an abundance of cereal products in the United States offset scarcity in Europe. American exports of merchandise were compensated in the earliest period by enormous imports of gold under the policy of currency contraction and gold resumption which this country was then putting in force. The imports of the fiscal year which closed in June were \$764,373,905, which was less than the total of \$779,724,674 for 1896. The figures for 1897 have been five times surpassed, in each of the years from 1890 to 1893 and again last year. The largest volume of imports was in 1893, when the amount was \$866,400,922, and there was an excess of imports of merchandise amounting to \$18,735,728. The exports of 1896 were \$822,606,938, creating a trade balance of \$102,882,264 in favor of the United States. The figures for the month of June last, which completed the fiscal year, showed some arrest in the tendency toward an excess of exports, but the change was due in a considerable measure to the large imports in anticipation of the new tariff. The total imports for the month reached \$84,826,110, as compared with imports in June, 1896, of \$56,163,740, while the exports for June last were \$74,174,689, against exports in June, 1896, of \$60,705,871. There was, therefore, an increase of more than \$7,000,000 in exports, as compared with last year, but this was insufficient to prevent the transformation of a favorable trade balance of \$10,542,131 in June of last year into an unfavorable balance of \$10,651,421 in June of 1897. The net balance of all transactions, including coin and bullion, was nearly as large in favor of the United States in the fiscal year 1897 as the nominal balance in merchandise. The net imports of gold coin and bullion were \$41,298,611, and of gold ores \$3,355,184.

The best wish we can make is that this grand record may continue, and that each successive year may see it increase. We have all along contended that the great commercial future of this country depends upon the growth of our export trade, and no doubt we will live to see that our argument had a good substantial foundation.

We call the attention of our contemporaries among the agricultural press to an interesting article which appears in our Technical Department to-day in relation to hog cholera. This question is one of vital interest to American farmers, and also to the packing trade, and is well worthy of the fullest possible consideration. Our article embodies some very useful data furnished by Mr. Robert Ganz, of this paper, regarding the results of hog cholera in certain sections of Europe, and its results in the provision market.

AMERICAN SHEEP IN AUSTRALIA.

"Our kin beyond the sea," that is, those of them in the Australian colonies, have recently discovered considerable merit in American merino sheep for breeding purposes, and the suggestion is now made that the export trade of the port of San Francisco can be materially built up by providing facilities there whereby blooded sheep can be shipped

to Australia without much trouble. The matter is looked upon as being of importance to domestic sheep breeders and is, we notice, receiving the attention of the Department of State at Washington, which, in turn, will, we presume, commit the matter to the care of the Department of Agriculture. We trust that whatever disposition is made of the matter as between the two departments the possibilities of developing an export trade in sheep breeding stock will not be lost sight of, and, as San Francisco is the natural outlet from the Western States of this country to the great sheep-raising sections of Australasia, no stone should be left unturned to provide every opportunity for building up this new phase of the home sheep raising industry.

In a recent letter to Mr. George W. Bell, United States Consul at Sydney, a home concern went at length into the subject, and commented upon the new Australasian regulations under which alone sheep can be imported to that continent from Europe or America. From this communication it would seem that up to the close of 1895, all sheep imported into Australia from Europe or America had, in the first instance, to be shipped to England, there to undergo fourteen days' detention in quarantine before shipment on board the steamer or sailing vessel bound for any Australian port. Influenced probably by fear of foot and mouth disease, at the time supposed to be prevalent in Germany, the English Government suspended the admission of sheep from foreign countries to quarantine in England, and thus compelled German and American sheep breeders to secure the authorization from the Australian colonies for direct importation. Representations were made to the Government stock department of each colony, which resulted in the nomination of two ports—Hamburg and New York—from which, and from which alone, sheep exportation would be permitted. Instructions were forwarded to the various agents-general for the Australian colonies to make arrangements for the appointment in each of the ports named of a thoroughly competent veterinary surgeon, whose duty it would be to examine the sheep before shipment and to allow none but the thoroughly healthy to go on board, accompanied by a certificate and clean bill of health.

Of course, the adoption of Hamburg and New York was acceptable so far as exports from Europe and the Eastern States were concerned, but although a clean bill of health was equally possible for Western sheep shipped via San Francisco, it seems that the colonial authorities would not sanction imports from any place but the cities named. It is in a connection such as this that the offices of the United States Government can be made effective. At this writing the refusal of the Australasian authorities to admit American sheep shipped via San Francisco from which there is a regular monthly service of steamers, seems like an act of discrimination worthy of a more explicit explanation than that vouchsafed in a mere perfunctory resort to red tape and alleged inability by officials to take a common-sense view of the situation. It would even seem possible that were this matter brought to the notice of Eastern breeders, that they, too, would prefer to ship via San Francisco instead of New York, particularly in view of the fact, as stated in the letter to Consul Bell, that sheep intended for sale in Australia must of necessity arrive there as near as possible about the middle of June, so as to be inspected undipped before and sold at the annual ram sales held in the first week of July. This means that sheep shipped via New York should necessarily cross the Atlantic at the end of March, when the weather is stormy and the general conditions unfavorable.

PROVISIONS AND LARD. WEEKLY REVIEW.

A CUDAHY BEAR MARKET

is about all we have had in provisions the past week, and the weakness has appeared to be more manufactured than real, for, notwithstanding the continued and heavy selling of his brokers, or at least heavy pounding, it has only resulted in a moderate decline, while their offerings, as well as those of other packers and of outside longs, who have been scared into realizing, have been easily absorbed from day to day without anything like such a reaction as would have been expected had the Cudahys been real sellers of products. It was they who led the late advance, on belief in still higher prices, which they were credited in the trade with entertaining, based upon the low prices of products, the moderate supply of hogs and the prospects of a smaller corn crop. It is not believed, therefore, that they have now lost faith in those conditions to bring about higher prices later on, and especially for the next crop. The prevalent opinion therefore is that they have been persistently and consistently endeavoring to shake out the outside bulls, who have followed them, and induce free selling by packers, in order to load up again at lower prices for another advance whenever conditions shall favor. A little better receipts of hogs this week at all points, and especially at the chief packing centers, have helped this effort to depress the market, although they were expected, as a sequel to the light receipts of the previous week, due to extreme heat throughout the West, which prevented free shipments, while the cool weather which has succeeded this week has stimulated shipments, as well as brought forward those recently belated by hot weather. It is plausible therefore to look for these increased receipts to be only temporary, but they have been used with marked effect, as prices of hogs have been knocked down from 2½¢ to 7½¢, and even 10¢, a day most of the week by packers, especially whenever receipts ran materially ahead of estimates, as they did on Monday, being 41,000, against 30,000 estimated, although 70,000 deficit in Wednesday's receipts did not have the opposite effect. The average weight of hogs packed at Chicago last week dropped to 235 lb from 237 the previous week, and 240 lb the week before, which is materially below last year's averages. In addition to Cudahy, Hately has been a fair seller of lard, while

Swift and Armour are believed to have been buying, as well as commission houses, for Cudahy. The bears have also had a continued slow demand, both East and West, for cash stuff to help them, lard being the only thing in which exporters have shown any interest for the European markets, of which Gledhill has been a fair buyer again this week for the U. K., while the West Indies have taken hold of pork more freely, though at a reduction in prices to \$8@8.50 for old mess, \$8.75@9.25 for new, \$8.50@10.50 for clear and \$9@9.75 for family. Yet exports of meats show an increase for the packing year thus far of 133,670,000 lb over last year, up to the close of last week, and lard 28,388,000 lb, though pork decreased 8,206,000 lb for the same period, owing largely to general depression in the West Indies during the past year, as these are the chief export markets for our pork. As to the outlook from abroad for these products, there is said to be an improvement, though it has not yet made itself felt on our market. This prospect is based upon the much lighter supply of hogs in Europe this year than last, when they were excessive, but the trade on the other side does not yet seem disposed to anticipate this deficiency in native supplies, but looks at the big stocks of lard at the chief ports of importation, forgetting their supplies in the hands of interior dealers have been unusually small for the past year or two, on declining markets. When therefore the autumn trade sets in and native supplies that filled it last year are not forthcoming, our lard refiners look for a material improvement in demand from the Continent. The report published some time since that large purchases of July, August and September lard had been made in Chicago for shipment to those mar-

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EUROPEAN ADVERTISEMENTS.

(SEE PAGES 43 AND 45 ALSO.)

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kets has not found verification in shipments so far this month, and nothing is heard of any increased movement in Chicago. As to our hog supply, there is no apparent change in the situation. There seem to be plenty of hogs in the country, but no excess of supplies, and the continued falling off in average weight from week to week, as well as from the average of a year ago, indicates pretty close marketing. Yet the markets West have been invariably weak on heavy and medium weights, while firm on light weights. The same has been true at the East for some time past, where light weights and pigs have been scarce and commanding an unusual premium. Light receipts at New York have advanced the Eastern hog markets this week, as they have felt the effect of last week's light movement at the West, on account of hot weather, and have not yet had the advantage of this week's heavier movement. As to home trade, it has been of the same hand to mouth character as for several weeks past, stocks in second hands being light, as a rule, as dealers are not disposed to stock up, or to buy ahead, in anticipation of better prices, notwithstanding the more bullish sentiment in the trade, until this week, for the past month. This is a curious feature of this year's market, as the jobbing trade of the country has generally followed the packers, or tried to, whenever they have been inclined to work for higher prices, but this year they have seemed to take little stock in the packers' bull movement, probably due to their unprofitable trade of the past year. Yet on the other side of the market, we find export houses that have been on the bear side for the last two years decidedly bullish in their views of the present situation of these markets, and believing in materially higher prices on the next crop, if not before, basing their belief on the idea that prices went far too low last year, on our ante-election panic, and that they have not recovered from them since, owing to the unsettled condition of financial and industrial legislation at Washington. But now that this latter is approaching an end for the present, and Congress an adjournment, they believe that all classes of business will improve and that consumption will increase with better employment of labor, as well as speculation, and that we are going to see higher prices for all our staples of commerce the coming year, including grain, as well as provisions, as Europe is in a more dependent position upon this country for all her food supply this year than last, when she bought enormously of all classes of breadstuffs for feed as well as food, and very heavily of our meats. With an increased demand this year, therefore, for the latter as well as lard, owing to the small crop of European hogs, they believe our hog products are good property for investment at present prices, and, it is believed, this opinion is shared generally by the packers, though apparently on the bear side for the moment, but probably with a view to loading up for a long bull campaign. Beef products have declined somewhat, in sympathy with pork, and on light demand, especially for hams, notwithstanding the light supplies, fresh packed having been sold at \$23, cost and freight New York, during the week, against \$24.50 asked for a month or more, without business, as this staple seems to be gradually going out of use, as well as canned beef, for home consump-

tion. Transactions for the week have been as follows:

Late on Friday last 500 tes. of lard were taken for the U. K., at 4.10c.; 250 do., on Saturday at 4.12½c., and small lots of city at 3.65c. There were sales of 112 boxes of bellies for last Saturday's steamer to Havana at 6c. and 530 tes. of city lard at 3.35c. down to 3.30c., chiefly at the latter figure. Otherwise only jobbing sales were reported on Saturday, while hogs in New York were ¼c. higher. The future market on Saturday in Chicago opened 5c. off on pork, broke 15c. more and closed at the bottom, with 11,000 receipts of hogs, against 14,000 estimated, with 30,000 for Monday and 140,000 for this week. Lard opened 2½c. off and broke 7½c. more, closing 10c. lower for the day, while ribs broke 5c. and recovered 2½c. The cause of this weakness was selling by Cudahy, rather than on anything legitimate in the day's condition, though the decline was stimulated by ½c. reaction in corn, on good rain West and cessation of the hot wind scare endangering the corn crop.

On Monday receipts of hogs in Chicago were 41,000, against 30,000 estimated, and 5@7½c. off, though small at other points. Pork broke 7½c., but recovered 10c., closing 2½c. better for the day, on good buying by the parties who broke the market early; but lard broke 7½c., and only recovered 2½c.; ribs 7½c., to recover 2½c. Cash lard was quoted in New York at 4.05c. nominal for Western, while 200 city sold at 3.60@3.65c., and 200 bbls. pork at a reduction of 10@15c. City meats were also weak and lower for shoulders and hams, at 5@5½c. for the former and 8½@9c. for the latter, with more sellers than buyers, though bellies remained steady at 5½c. asked for 14-lb, 5½c. bid for 12, 6¼c. nominal for 10, and 7@7¼c. paid for smoking, of which 2,000 or 3,000 pieces each of the former were sold, as they have been daily during the first half of the week, and about 5,000 lb daily of bellies in job lots, at our quotations; but no outside or export demand has been reported, except for clear bellies for Cuba, of which 100 boxes were taken at 6¼c., or ¼c. better, on scarcity.

Tuesday's markets broke 7½c. on pork, to lose 2½c. more and recover 12½c., closing 2½c. up for the day, while lard broke 5c. and recovered it, closing unchanged, and ribs 7½c., to recover 5c., closing 2½c. off for the day on 23,000 hogs in Chicago, against 20,000 estimated, 18,000 at Kansas City and 7,500 at Omaha. Sales of cash lard in New York were 250 tes. cost and freight, export, private terms, quoted 4.07½c. spot, with sales of 2 tanks at 3.62½@3.65c., closing at the outside price, or 20c. under September in Chicago at the time the sale was made; 550 tes. of city were taken for Cuba at 4.20c. in iron-bound packages; 70 tes. of city were taken for refining at 3.60@3.65c., and 600 bbls. pork at the reduced quotations noted above; 100 bbls. beef hams also sold on that day at \$23 cost and freight New York, while neutral lard was sold at 29@31 florins in Rotterdam, as to brand, with a light business done at the decline to 5c. West and 5¼c. New York. Refined lard has been slow, with Western, but compound in fair demand at 3¼@3½c. for city and 4@4¼c. for Western, as the hot weather has stimulated consumption of this staple in place of pure lard at this season of the year, as

usual. Western green meats were reduced to 7½c. for 16-lb hams, Chicago; 7½c. for 14, 8½c. for 12 and 8½c. for S. P. 16, with very little done for the Eastern markets this week, either in green or cured. Hogs in New York were ¼c. up on the lighter weights.

Wednesday's market opened higher in Chicago on a deficit of 10,000 in the receipts of hogs, compared with estimates, only 22,000 being received, against 32,000 estimated; yet prices were no higher for the day, while Cudahy sold freely at the advance and broke pork back 20c. under the close of Tuesday, after opening 5c. higher, from which there was a 10c. rally, closing 12½c. off. Lard broke 5c. and recovered it, ribs broke 7½c. and recovered 5c. Cash lard New York was 4.07½c. nominal for Western, while 2 tanks ditto sold at 3.70c., or 20c. under Chicago September; 100 tes. city lard sold at 3.65c. for refining and 250 bbls. pork at the decline of the early part of the week. Otherwise no cash transactions were reported in New York except of city meats to the local trade, in the volume above mentioned.

(For Later Report See Page 40.)

TALLOW AND STEARINE. WEEKLY REVIEW.

TALLOW.—Neglected, easier markets have been the feature of the week, up to Wednesday night, both East and West, in all grades of tallow. As stated in our last, Western melters had pretty generally completed their deliveries on late large sales, both to exporters and local soap makers, and they have been in the market this week with their current production, which has resulted in the reduction of quotations from 3¼c. to 3 9-16c. on packers' No. 1, to 2½c. on No. 2 and 3½c. for edible in tanks at Chicago, at which fair sales have been made, including Morris', at the tank price named. But no transactions there for export have been reported, nor even demand, while Cincinnati soap makers, who bought so heavily West recently, as given in our previous reports, namely, 5,000 tes. to one concern, are thus supplied by these old purchases, and out of the market. At New York French exporters have lain low and seem to be playing a waiting game on the local melters, after recently buying up their current make to the close of last week at 3¼c., not a transaction having been reported since our last, except 200 hhds. last Friday, too late for our last issue, at the same price, which has been the nominal market since, with a steady tone, with neither buyers nor sellers for any amount at that figure, although it is expected that before the close of the week the current week's production will come on the market at that figure, for which the shippers seem to be waiting, as an effort to have bought more at 3¼c. early in the week would probably have advanced the market. In country stocks there has also been a little easing of prices to 3¼c. for ordinary up to 3½c. for choice, at which there has been a fair trade to local soap makers, averaging well up to, if not quite, 100,000 lb a day to Wednesday night, but for edible there is no demand, though held at 3½c. for country and 3¼c. for city, which it would scarcely bring, as there is really no strictly

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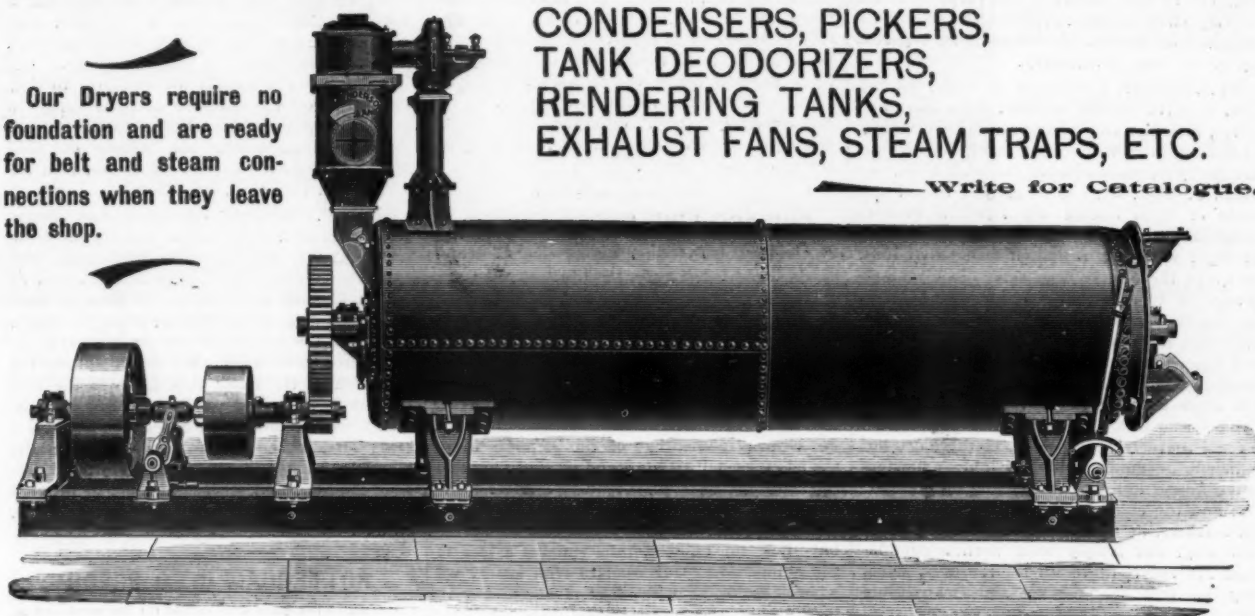
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"B" for Bologna, Frankfurter and All Kinds of Smoked Sausages.

"C" for curing, corning and preserving Pork, Beef, Tongues, etc., and to prevent Flies and Skippers attacking Meats.

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edible demand of any importance, stocks so-called going almost entirely to makers of fancy soaps. As to outports, the same conditions exist as here, with little or no business, but to local soap makers, reported. The market therefore seems to be working into a little easier position, with small accumulations of stock, East and West. But it acts as if exporters were simply waiting for sufficient offerings to enable them to buy round lots at old prices before coming in again, as they are believed to have orders at present quotations, or very close to them. There were no further features of interest or transactions reported up to the close Wednesday.

STEARINES have been as quiet as tallow, and for similar reasons, both East and West, although there has been more diversity of opinion in New York, as to where the market really is, some melters claiming a fair demand at 4½c., with sales at that figure, and some of them asking 4¼c., while brokers early claimed the market was barely steady at 4¼c., with only a limited demand at that, at which there have been sales of only about 50,000 lb reported, as the amount at 4½c. has not been given. At this writing, however, 4½@4¾c. is the quoted market in New York, and 4½c. the last sale in Chicago, at which between 100,000 and 200,000 lb have been sold since our last to the local trade. There has been no talk of export demand, although it could scarcely be expected, as there are not sufficient accumulations to enable exporters to buy round lots without putting up the market; and the chief export buyer in the Western markets, as well as in this, does not work that way, but simply wait until accumulations are sufficient to fill their orders, when they go into the market and clean it up. Hence, while this trade is dull, like tallow, it is believed to be in a healthy, if not strong, position. There has been one bearish factor, however, during the week in the passage of a law by Venezuela making the duty on compound lard equal to three times that on pure lard, and as this was quite an important market for New York compound refiners, it is expected to reduce demand quite largely at that point for this staple, and hence leave more oleo stearine to go into export channels, as pure lard will now take the lead in exports to that country. In lard stearine nothing whatever has been done since our last, and refiners report no demand even, except at 4¼@4½c. for Western to arrive, which is held at 5¼c. and city at 5½c., with local refiners supplied from old purchases, while exporters are out of the market, or supplied by old purchases also, which have kept our local pressers sold up. Hence the steadiness in this market, notwithstanding the weakness in lard during the week. In grease stearine there has been very little doing, as export demand does not seem to run as largely as usual on the low grades of soap stock this year, and exporters report no business whatever for the week, though prices are at old figures, at which their last purchases were reported.

OLEO OILS have been quiet and lower again, since our last, in face of light stocks in Rotterdam, with sales of choice brands to the extent of about 1,400 bbls. up to Tuesday night at 38 florins, with sales on Wednesday of United, Harrison's, Eastman's and Morris' extras all at that figure, to the extent of between 500 and 1,000 bbls. more, while there has been a fair business for prompt shipment done at the West on that basis. The sales previously made during the week were at the same price, 38 florins, for other brands of the same quality.

ANIMAL OILS have been easier, in sympathy with lard, at about 35@36c. for Western, 36@37c. for city, with a little more disposition to press sales on part of manufacturers,

while buyers have shown a little more interest at about 1c. under the late views of sellers, resulting in rather larger transactions at the range of prices mentioned, both for home and export. Neatsfoot oils have been in moderate jobbing demand at practically unchanged prices, while degrass and red oils have been in fair request at a trifle firmer quotations, in anticipation of the long talked of increase in duty.

GREASES have been slow, in absence of export demand, at unchanged prices, although there has been a fair home trade, with sales of 4 to 5 cars up to midweek at former quotations to the local trade. But exporters continue to take prime choice soap stocks this year, in preference to the low grades, at the comparatively small difference in prices; hence greases are dull, as a rule, and supplies rather on the increase.

CHICAGO LIVE STOCK REVIEW.

(Written for THE NATIONAL PROVISIONER by Mallory Son & Zimmerman Co.)

HOGS.—History continues to repeat itself in the live stock markets, and the same conditions and circumstances that have been very apparent to us for a good many years still exists. Shippers of live stock continue to allow themselves to be hypnotized, as it were, and whenever there is an advance in the market a large percentage of the shippers think the advance will either stand or continue, and they buy their stock accordingly. After nearly all the "bulges" the receipts increase and the packers are forced by circumstances to buy their stock lower, thus causing a loss to the shipper. As our readers well know, we have endeavored to the best of our ability to warn them about these conditions, and for the past few weeks have repeatedly urged them not to buy hogs on an advancing market, but to buy freely on all the breaks and ship as soon as purchased. Those of our readers who have followed our advice throughout have no reason to complain and have enlarged their bank account.

It certainly should be more satisfactory to make a success of the shipping business from a financial standpoint than to handle a large volume of business on which the railroad companies, Stock Yard Co. and commission men are the only ones who are benefited. We like business as much as any firm possibly could, and are still handling a larger percentage of the trade than ever before. Monday we handled more than one-eighth of the entire receipts of hogs, and on the average since Jan. 1 have handled more than one-twelfth of the entire receipts, and we are very anxious to have our patrons derive a profit from the hard work and risk involved in the business.

The unexpectedly large receipts Monday and a continuation of the good quality gave the packers a decided advantage, which they were not slow to take, and the bulk of the hogs this week averaged 10@15c. lower than the best time last week, light and medium weight hogs showing the least decline, and heavy, coarse hogs showing the greatest decline.

Since Monday the receipts have been about normal, and the quality continues good, but the average weight, while not quite as heavy, when compared with the past two or three months, will average well compared with former years, and does not indicate anything more than a seasonable reduction in the supplies. The provision market generally ruled weak and prices were somewhat lower. But the cash demand for product continues heavy, and with any let up in the receipts we think the prospects favorable for the usual reaction, and still advise our readers to buy hogs freely on all declines and ship as soon as possible.

We desire once more to warn our readers to buy all kinds of heavy hogs, especially the rough ones, with a good margin, as the range in prices is widening, and as the season advances we are liable to have a range of 25@50c. between the old sows and the good, smooth, light and medium weight hogs.

CATTLE.—Receipts of cattle on Monday were over 20,000, causing a decline of 10@15c. on nearly all grades, except the very best. But the demand took the supply, and since Tuesday with more moderate receipts and a good demand, prices have reacted, and on all desirable steers and butchers' stock prices at the close are fully as good as one week ago. The supply of common to fair cattle are on the increase and the range in prices becoming wider. Range cattle will not begin to come before the middle of next month to any extent, and we do not look for very much change in the market.

SHEEP.—Receipts of sheep and lambs were moderate, and under a good demand the market ruled strong, prices advancing 10@15c., choice sheep and lambs selling about as high in Chicago as in any of the Eastern markets. The demand for feeding sheep continues good, and the outlook is fair for at least average prices next week. We desire to call the attention of the trade once more to the fact that we have opened a fully equipped commission house at the Union Stock Yards, St. Joseph, Mo., where we are prepared to handle all kinds of live stock in the very best possible manner, and, as usual, we will be glad to hear from any of our friends at Chicago, Sioux City and St. Joseph.

ROTTERDAM OLEO REPORT.

The following sales were cabled for the week ending July 16, 1897:

July 10. Morris Extra (200/300 tcs.) sold at 38 florins.
 " 10. Eastman Extra sold at 38 florins.
 " 12. United sold at 38 florins.
 " 13. Harrison sold at 38 florins.
 " 12. Morris Extra sold at 38 florins.
 " 13. Harrison sold at 38 florins.
 " 14. United sold at 38 florins.
 " 14. Harrison sold at 38 florins.
 " 11. Eastman Extra sold at 38 florins.
 " 14. Morris Extra sold at 38 florins.

Sales for the week 2,100 tcs. spot and 1,100 to arrive.
 July 10, stock in first hands, 2,100 tcs.

Stock afloat July 10.—Per stmr. Tabasco from Balto. June 27, due July 12, 2,553 tcs.; per stmr. Tampico from Balto. July 2, due July 18, 1,509 tcs.; per stmr. Maasdam from New York July 1, due July 13, 1,419 tcs.; per stmr. Werkendam from New York July 3, due July 18, 300 tcs.; per stmr. Durango from Balto. July 10, due July 23, 743 tcs.; per stmr. Odbam from New York July 10, due July 23, 2,317 tcs. Total, 8,573 tcs.

July 10.—My London cable reports: Butter, market firm; Margarine, market quiet and steady.

Imports into Great Britain for week ending July 1897: 1,896—Butter, 50,889 cwt.; margarine, 14,389 cwt. 1897—butter, 64,000 cwt.; margarine, 14,000 cwt.

Exports of Oleo Oil to Rotterdam.

July 10. Per Stmr. Odbam—United, 100; Eastman, 351; Armour Packing Co., 240; Dold, 65; Swift, 190; Morris, 600; Isaacs, 24; Wolff, 60; S. & S., 258; Hammond, 120.

July 12. Per Stmr. Durango—Armour, 360; Cudahy Packing Co., 125; Swift, 390; Cincinnati Abb. Co., 18; Hammond, 60.

Neutral Lard.

July 10. Per Stmr. Odbam—Armour, 370; Swift, 375; Friedman, 1,000.

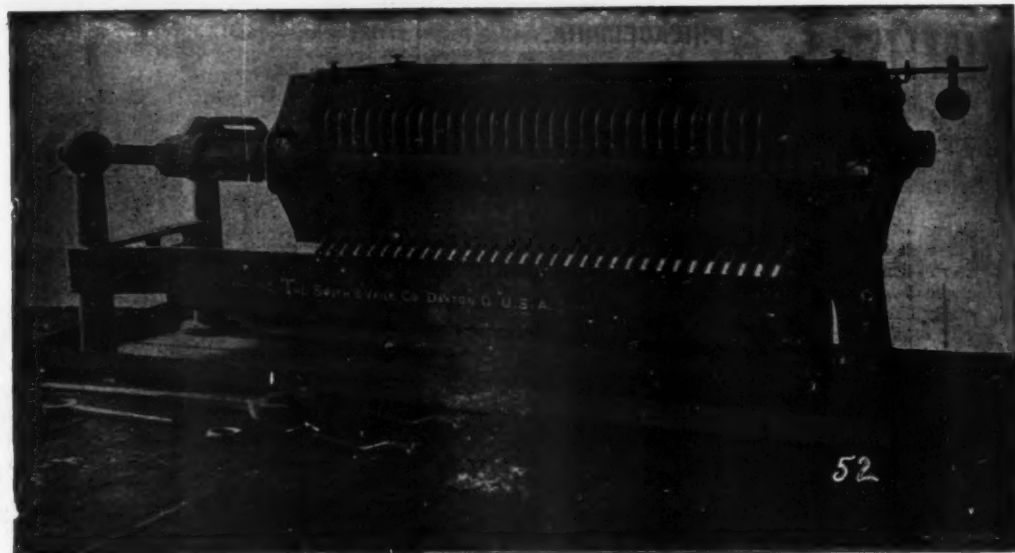
July 12. Per Stmr. Durango—Kings, 410; Armour, 1,000; Cudahy Packing Co., 25; Cincinnati Abb. Co., 42.

DIVIDEND NOTICE.

SCHWARZSCHILD & SULZBERGER COMPANY. At a meeting of the Board of Directors of the above company, a dividend of TWO (2) DOLLARS per share was declared, payable on July 31, 1897, to the stockholders of record on July 24, 1897.

Transfer books will be closed from July 24, 1897, to July 31, 1897, inclusive.

FERDINAND SULZBERGER,
 Treasurer.



FILTER PRESSES

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Filtration & Clarification
of Animal and Vegetable
OILS AND GREASES

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Refrigerating
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Large Retail Butchers
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Packing Houses.

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Manufacturers and Designers of Special Machinery for Oleo
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FERTILIZERS, CHEMICAL WORKS,
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Odorless in Operation. Give universal satisfaction

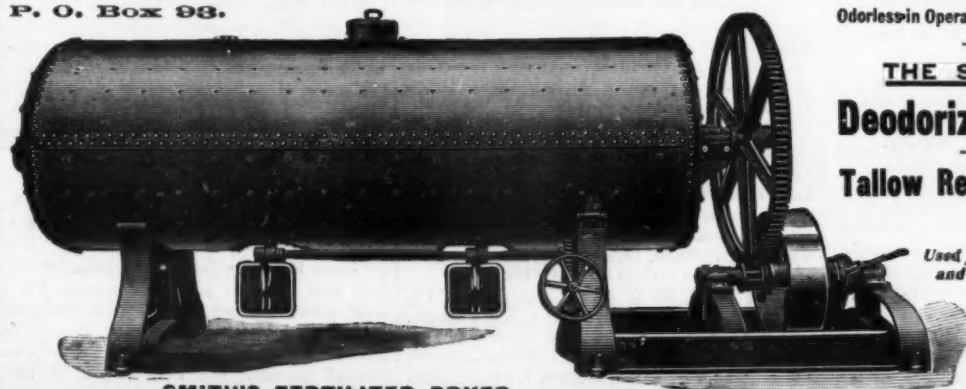
THE SMITH PATENT

Deodorizing Condenser

Tallow Rendering Tanks,
Lard Coolers, etc.

Used in the leading Packing-Houses
and Abattoirs and by the principal
Butchers throughout
the country.

SEND FOR CATALOGUE AND
PRICE LISTS.



SMITH'S FERTILIZER DRYER.

HIDE AND SKIN MARKETS.

CHICAGO.

PACKER HIDES.—Business during the past week has been surprisingly quiet and in pronounced contrast to the traffic of the past two weeks. Accumulations are light and receipts not up to expectations. Many of the larger tanners are now said to be well supplied. In fact, some of the Western element say that in view of present opaque leather outlook they have bought "not wisely but too well." The market continues strong, although weak trading and the uncertain leather conditions have had their effect. We quote:

No. 1 NATIVES; 60 lb and up, have had a fair call at 10½¢.

No. 1 BUTT-BRANDED, 60 lb and up, have been in light request and are quotable at 9¼¢@10¢.

COLORADO STEERS have sold in small installments at 8¾¢. Some holders are asking 9¢.

No. 1 TEXAS are in light demand and supply. They are said to be hardly up to the standard in quality. They are quotable at 10¼¢.

No. 1 NATIVE COWS, free of brands, 55 lb and up, continue firm at 9½¢@9¾¢; under 55 lb, 10¼¢.

BRANDED COWS continue in meager supply and have advanced to 9¼¢.

NATIVE BULLS have been in some call and remain steady at 8¢@8½¢.

COUNTRY HIDES.—This market is in a by no means active condition, partially owing to the prevailing prices. Country butchers have a limit, which has evidently been passed. The present kill is consequently very light. As shown in the following quotations, prices are well sustained.

No. 1 BUFFS, 40 to 60 lb, free of brands, are well cleaned up, and have sold in good sized lots at 9¢@9½¢.

No. 1 EXTREMES, 25 to 40 lb, are quotable at 9¼¢@9½¢. Small sales have been made at the latter price.

BRANDED STEERS AND COWS have had little call, but remain firm at 8¢.

HEAVY COWS, 60 lb and up, free of brands, are quotable at 8½¢@8¾¢; price nominal; No. 2 offering at 7½¢@7¾¢.

NATIVE BULLS are in light supply and demand, and are held at 7½¢@7¾¢.

CALFSKINS are very firm in price with No. 1 at 11½¢. Some holders asking 12¢.

KIPS, 15 to 25 lb, have sold in small lots at 10½¢ for No. 1.

DEACONS.—Good sales have been made at 42½¢, and plenty more available at that price.

SLUNKS are selling at 20¢, with 25¢ asked.

HORSE HIDES have not had an especially active call, despite which they remain firm at \$3.

SHEEPSKINS.—The market is stronger and more active. We quote:

PACKER PELTS, 75¢@\$.125.

COUNTRY PELTS, 70¢@.11.

PACKER SHEARLINGS, 30¢@36¼¢.

COUNTRY SHEARLINGS, 10¢@20¢.

BOSTON.

Something has given to the Hub traffic a decided impetus. Business has been brisk, although the ruling prices have somewhat dampened the ardor of would-be buyers. We quote:

BUFF HIDES, 9½¢.

NEW ENGLAND HIDES, 9¢ flat.

CALFSKINS are scarce and prices higher.

SHEEPSKINS.—Market more active, probably in consequence of strengthened tone of the wool market.

PHILADELPHIA.

The market is firm and holders of stock independent. Supplies unusually light. We quote:

CITY STEERS, 9¢@9½¢.

CITY COWS, 8¼¢@9¢.

COUNTRY STEERS, 8¢@8½¢.

COUNTRY COWS, 8¢@8½¢.

BULLS (all weights), 7½¢@8¢.

CALFSKINS.—Receipts light, stock well cleaned up at full prices.

SHEEPSKINS.—

CITY PELTS (new), \$1.

SHEARLINGS, 25¢.

LAMBSKINS, 35¢.

NEW YORK.

Trade has been very quiet with little disposition on the part of buyer or holder to act. Prices are firm and concessions few. We quote:

No. 1 NATIVE STEERS, 60 lb and up, have sold fairly well in small lots at 10¼¢@10½¢.

BUTT-BRANDED STEERS, 60 lb and up, are in light request at 9¼¢@9½¢.

SIDE-BRANDED STEERS have had some call at 8¼¢@8½¢.

CITY COWS, 9¢.

NATIVE BULLS, 7½¢.

COUNTRY COWS, 8½¢@8¾¢.

CALFSKINS.—For detailed report see page 46.

HORSE HIDES, \$2.50@2.75.

SUMMARY.

The Chicago market this week failed to materialize in accordance with the anticipations of the packers. Sales were surprisingly light, probably owing to the fact that Western operators have been "rubbing it in," and the larger buyers feel that they are bought up to their necessities, unless leather conditions should change so favorably as to warrant further purchases. When a spirit of conservatism attacks large buyers the little fellows invariably grow cautious, and thus the apathetic condition of the market is accounted for. Despite this indisposition to buy, prices are generally maintained, and the scarcity of stock will tend to prevent any material weakening. On the other hand, the Boston market has gained considerable tone, and the beaning tanners have thrown "culchaw" and caution to the winds and have bought with a lavish hand. Philadelphia tanners, while they are buying more conservatively than their Boston contemporaries are still purchasing considerable stock, and at prices which they are loth to pay. Supplies are scarce, however, and holders are as independent as the proverbial "hog on ice," so that tanners who must have hides have no alternative but to buy at current rates. New York holders, like their Quaker brethren, are not manifesting any particular anxiety to dispose of their wares, and both buyer and seller are waiting for conditions favorable to action. A reported advance of 3¢ per lb on Union leather is not substantiated.

CHICAGO PACKER HIDES—

No. 1 natives, 60 lb and up, 10½¢; No. 1 butt-branded, 60 lb and up, 9¼¢@10¢; Colorado steers, 8½¢; No. 1 Texas, 10¼¢; No. 1 native cows, free of brands, 55 lb and up, 9½¢@9¾¢; under 55 lb, 10¼¢; branded cows, 9¼¢; native bulls, 8¢@8½¢.

CHICAGO COUNTRY HIDES—

No. 1 buffs, 40 to 60 lb, 9¼¢; No. 1 extremes, 25 to 40 lb, 9¼¢@9½¢; branded steers, and cows, 8¢; heavy cows, 60 lb and up, free of brands, 8½¢@8¾¢; No. 2, 7½¢@7¾¢; native bulls, 7½¢@7¾¢; calfskins, No. 1, 11½¢; kips, 15 to 25 lb, No. 1, 10½¢; deacons, 42½¢; slunks, 20¢; horse hides, \$3; sheepskins,

packer pelts, 75¢@\$.125; country pelts, 70¢@\$.11; packer shearlings, 30¢@36¼¢; country shearlings, 10¢@20¢.

NEW YORK—

No. 1 native steers, 60 lb and up, 10¼¢@10½¢; butt-branded steers, 60 lb and up, 9¼¢@9½¢; side-branded steers, 8¼¢@8½¢; city cows, 9¢; native bulls, 7½¢; country cows, 8½¢@8¾¢; calfskins, see page 46; horse hides, \$2.50@2.75.

BOSTON—

Buff hides, 9½¢; New England hides, 9¢ flat.

PHILADELPHIA—

Country steers, 8¢@8½¢; country cows, 8½¢@9¢; country bulls, 7½¢@8¢.

HIDELETS.

Henry Schweer, one of the oldest leather salesmen in the swamp, New York City, died on the 11th inst. He was employed for many years by Richard Young, 35 Spruce street.

Geo. Harrison, of Harrison & Whiffen, Sydney, Australia, is in New York buying hides.

W. F. Smith, of Samuel Barrons & Bro., leather factors, of London, England, is visiting the New York market.

Mr. Edgar, of Edgar, Swift & Co., Montreal, Canada, was in the New York market this week buying hides. Mr. Edgar made large purchases.

Henry Hahn, of Hahn Stumpf, tanners, Harrison, N. J., visited the Boston market recently.

EXPORTS IN JUNE.

The monthly statement of exports issued by the Bureau of Statistics at Washington, shows exports for June as follows: Cattle and hogs, \$3,499,113; increase over June, 1896, of \$134,000. Provisions, \$12,166,962; increase, \$1,143,000. For the twelve months ended June 30, 1897, the exports of cattle and hogs were \$34,015,147; increase over same period previous year, \$1,596,092. Provisions, \$128,156,267; increase, \$963,712.

The exports of provisions from Atlantic ports for the week ending July 10, and from Nov. 1, 1896, to date, were:

| | Last Week. | From Nov. 1. |
|-------------|------------|--------------|
| Pork | 1,025,000 | 34,066,000 |
| Bacon | 15,782,512 | 549,272,974 |
| Lard | 14,744,006 | 399,283,779 |

The exports from the port of New York for the week ending July 13 included 2,460 gallons lard oil, 51,945 gallons cottonseed oil, 2,466 barrels pork, 1,204 barrels beef, 498 tierces beef, 4,814,478 pounds cut meats, 619,123 pounds butter, and 2,200,035 pounds tallow, 6,732,320 pounds lard and 570,890 pounds tallow.

FIRES AND CASUALTIES.

Miller Bros.' slaughter house in Lima, Ohio, was recently damaged by fire.

The slaughter house of Thomas Campbell, in Beardstown, Ill., was burned to the ground.

Flames, July 6, destroyed the house and store at Ridgefield Park, N. J., occupied by A. King, butcher and grocer. The insurance of \$1,000 will not cover his loss.

Full of wrath the commission merchant wrote to the country dealer in the following sarcastic style:

"Dear Sir—The last consignment of butter you sent me was good and strong, but the axle grease maker I sold it to complained that it was a little too fresh. If you have about 50 or 75 pounds of butter strong enough to walk you may ship it to me at once."

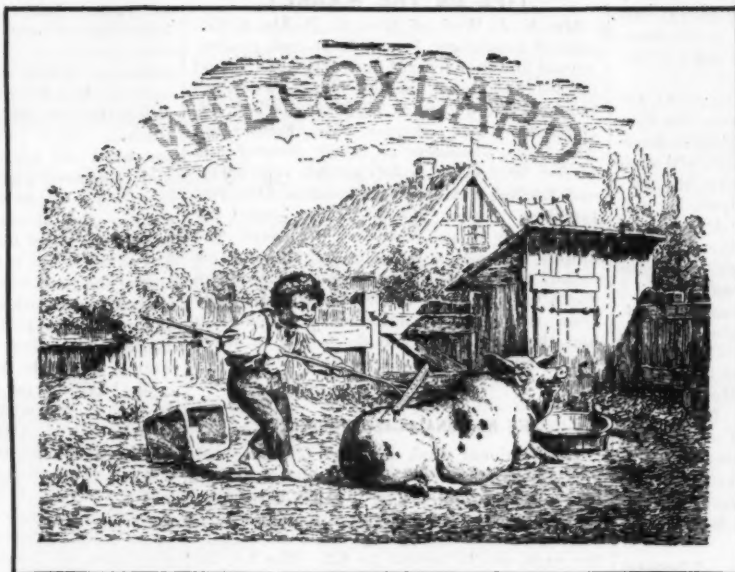
And the country dealer sent him an old goat.

The W. J. Wilcox Lard and Refining Company

NEW YORK.

**Pure
Refined
Lard.**

W. J. WILCOX & CO.



**The
Globe
Brand.**

Established 1862.

REFINERS FOR EXPORT ONLY.

Established 1842.

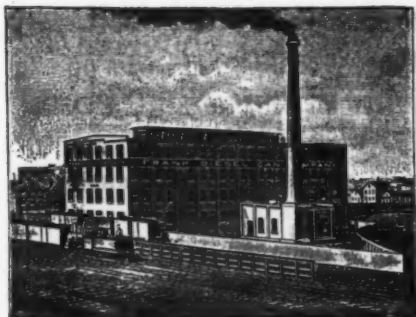
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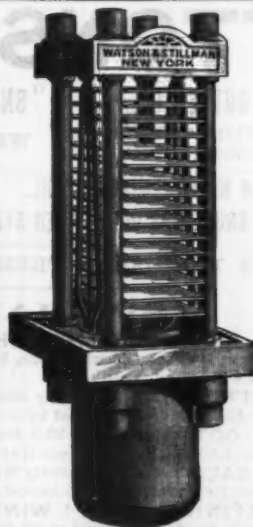


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Hydraulic Presses
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Over 100 Varieties.

**FILTER PRESSES,
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GAUGES AND FITTINGS.**

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NEW YORK, U. S. A.

OUR YELLOW BOOK

SEE COUPON PAGE 22.

CHICAGO PROVISION MARKET.

The speculative provision market the last week has been a surprise to every one. The conditions of the market warranted the belief that provisions had reached their lowest prices and a steady increase was expected. But the development this week has overthrown all calculations. Pork closed to-day (Wednesday) 20c. lower than last week's figures, lard went off 20c. and ribs 15c. A good cash trade is reported to-day, and liberal buying of ribs by Swift and Boyd & Lunham, the English people being on both sides of the market.

It was almost an impossibility to get an expression of opinion from the brokers, the condition of the market being such that no basis for future prices could be made, although some still have faith to believe that the lowering prices were caused by manipulation and higher prices are bound to come. A few days' cool weather has brought in the hogs in larger quantities, and they do not anticipate a long continuance of the large runs.

Chicago packers slaughtered hogs last week as follows: Armour 19,300, Anglo-American 10,700, Boyd & Lunham 3,200, Chicago 4,200, Continental 2,200, Hammond 31,000, International 5,100, Lipton 5,000, Morris 6,400, Swift 17,400, Viles & Robbins 5,800, and butchers 4,900, making a total of 87,300, against 161,400 the previous week, 69,100 a year ago and 47,000 two years ago.

Table showing number of hogs packed in various years from March 1 to date in this city:

| | |
|--------------------|--------------------|
| 1897.....2,295,000 | 1890.....1,746,000 |
| 1896.....2,034,000 | 1889.....1,876,000 |
| 1895.....1,764,000 | 1888.....1,165,000 |
| 1894.....1,553,000 | 1887.....1,242,000 |
| 1893.....1,300,000 | 1886.....1,644,000 |
| 1892.....1,759,000 | 1885.....1,650,000 |
| 1891.....1,446,000 | 1884.....1,146,000 |

A gain of 261,000 over last summer season.

RANGE OF PRICES.

THURSDAY, JULY 8.

| | Open. | High. | Low. | Close. |
|--------------------|-------|-------|------|--------|
| PORK— | | | | |
| July..... | | | | 7.65 |
| September... 7.80 | 7.80 | 7.70 | | 7.72½ |
| LARD— | | | | |
| July..... | | | | 4.05 |
| September... 4.17½ | 4.17½ | 4.10 | | 4.12½ |
| RIBS— | | | | |
| July..... | | | | 4.37½ |
| September... 4.50 | 4.50 | 4.45 | | 4.47½ |

FRIDAY, JULY 9.

| | | | | |
|--------------------|-------|-------|--|-------|
| PORK— | | | | |
| July..... | | | | 7.62½ |
| September... 7.77½ | 7.80 | 7.62½ | | 7.70 |
| LARD— | | | | |
| September... 4.12½ | 4.12½ | 4.05 | | 4.07½ |
| October..... 4.17½ | 4.17½ | 4.10 | | 4.10 |
| RIBS— | | | | |
| September... 4.47½ | 4.47½ | 4.37½ | | 4.42½ |
| October..... 4.47½ | 4.47½ | 4.47½ | | 4.47½ |

SATURDAY, JULY 10.

| | | | | |
|--------------------|-------|------|------|-------|
| PORK— | | | | |
| July..... | 7.50 | 7.50 | 7.45 | 7.45 |
| September... 7.65 | 7.70 | 7.50 | | 7.50 |
| LARD— | | | | |
| September... 4.02½ | 4.02½ | 3.95 | | 3.95 |
| October..... 4.07½ | 4.07½ | 4.00 | | 4.00 |
| RIBS— | | | | |
| September... 4.37½ | 4.40 | 4.35 | | 4.30 |
| October..... 4.37½ | 4.40 | 4.35 | | 4.37½ |

MONDAY, JULY 12.

| | | | | |
|--------------------|-------|-------|--|-------|
| PORK— | | | | |
| July..... | | | | 7.47½ |
| September... 7.42½ | 7.52½ | 7.42½ | | 7.52½ |
| LARD— | | | | |
| September... 3.90 | 3.90 | 3.87½ | | 3.90 |
| October..... 3.92½ | 3.95 | 3.92½ | | 3.95 |
| RIBS— | | | | |
| September... 4.30 | 4.35 | 4.30 | | 4.32½ |
| October..... 4.35 | 4.35 | 4.35 | | 4.35 |

TUESDAY, JULY 13.

| | | | | |
|--------------------|-------|-------|--|-------|
| PORK— | | | | |
| July..... | | | | 7.50 |
| September... 7.45 | 7.57½ | 7.42½ | | 7.55 |
| LARD— | | | | |
| September... 3.87½ | 3.92½ | 3.85 | | 3.92½ |
| October..... 3.92½ | 3.95 | 3.90 | | 3.95 |
| RIBS— | | | | |
| September... 4.30 | 4.32½ | 4.25 | | 4.32½ |
| October..... 4.30 | 4.35 | 4.27½ | | 4.35 |

WEDNESDAY, JULY 14.

| | | | | |
|--------------------|-------|-------|-------|-------|
| PORK— | | | | |
| July..... | 7.42½ | 7.42½ | 7.32½ | 7.42½ |
| September... 7.60 | 7.60 | 7.35 | | 7.45 |
| LARD— | | | | |
| September... 3.92½ | 3.92½ | 3.85 | | 3.90 |
| October..... 3.97½ | 3.97½ | 3.90 | | 3.95 |
| RIBS— | | | | |
| September... 4.32½ | 4.32½ | 4.22½ | | 4.27½ |
| October..... 4.37½ | 4.37½ | 4.27½ | | 4.32½ |

TIPS ON THE MARKET.

Mr. N. J. Weil, of Wm. E. Webbe & Co., says of provisions: Demand for cash product is good and in a general line, dry salted, sweet pickled and green meats. Hams easier, all around 14-16 quoted at 7½@7¾c. packed; 18-20 average, 7¼c.; skinned, 8¼c. Picnics and New York shoulders in better demand and scarce. Dry salted bellies getting very scarce and packers asking more premium over ribs for them. Sweet pickled bellies called for quite freely to go West past few days, and quite a few sold at good prices. Green hams easier; 16 average offered freely at 7¼c. The South taking quite a few ribs lately, but trade from that section disappointing. Looks to him that provisions will do to buy at these prices, and would advise buying on all weak spots.

THE NATIONAL CASH REGISTERS.

The National Cash Register Company, of Dayton, Ohio, has just put on the market a large line of low priced detail adding registers. It offers registers as low as \$15. The No. 18, a detail adding register, with twenty-five keys, can be bought for \$25. The No. 19, which has an automatic cash drawer and twenty-five registering keys, is sold for \$40. These registers are put up in painted wooden cabinets, and can be seen at any of the sales offices of the company.***

R. H. FERGUSON, President. R. C. WAGGENER, Treasurer. J. J. CAFFREY, Secretary.

KENTUCKY REFINING CO.

LOUISVILLE, KY., U. S. A.

Refiners of All Grades of

COTTONSEED OIL.

"ECLIPSE" BUTTER OIL.

"SNOWFLAKE" PRIME SUMMER WHITE.

SUMMER { White C/S Oil.
Yellow C/S Oil.

WINTER PRESSED { White C/S Oil.
Yellow C/S Oil.

SUMMER AND WINTER WHITE "MINERS" OIL. YELLOW AND WHITE COTTONSEED STEARINE.
CRUDE C/S OIL. "RED STAR" SOAP. SOAP STOCK.

TANK CARS FURNISHED FREE FOR SALES OR PURCHASES.

SPECIALTIES:

"SNOWFLAKE" PRIME SUMMER WHITE. This oil is prepared especially for Lard Compounders; is sweet and wholesome, being bleached without a particle of acid. A trial means you will use no other.

"ECLIPSE" BUTTER OIL. A strictly choice Vegetable Oil, selected and prepared especially for Butter Manufacturers; equalled by none other for quality and uniformity.

"DELMONICO" COTTON OIL. This brand of Cooking Oil needs no introduction; speaks for itself, and for Culinary Purposes is synonymous with finest.

"NONPAREIL" SALAD OIL. A strictly Winter Pressed Oil, prepared expressly for Druggists, Culinary and Salad Purposes; guaranteed to remain bright and limpid at 25° Fahr.

"KENTUCKY REFINING CO.'S" WINTER PRESSED OILS. Guaranteed pure and to remain bright and limpid at 25° Fahr. The very best made for any climate.

Quotations furnished upon application.

KENTUCKY REFINING CO.,

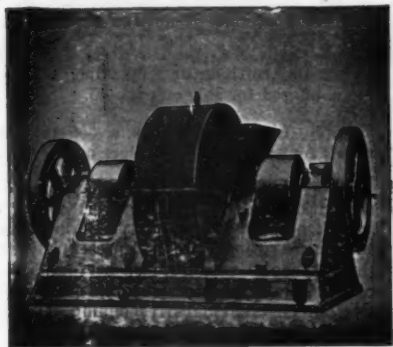
2017 to 2033 Shelby Street,

LOUISVILLE, KY.

Cable Address: "REFINERY," LOUISVILLE.

COTTONSEED OIL.
WEEKLY REVIEW.

AN ADVANCING, QUIET MARKET has been the chief feature for the past week, following the activity reported at the close of the previous week, given in our last, when 4,000 bbls. were taken in one lot by the local trade, though then supposed to be ultimately for export, but subsequently turned out to have been bought by a Providence refining company, which also took 1,000 bbls. more on Saturday at the same price, 24c., and 1,000 more on Monday at the same price also, and all for the same destination, since when prime summer yellow has been held at 24½@25c. for round and job lots, with only a small jobbing business reported up to Wednesday night. Yet these sales cleaned up the New York market of outside lots, both spot and to arrive, the 4,000 bbls. coming from Houston, Texas, while the other 2,000 bbls. were taken on the spot and to arrive from Atlantic coast. Quotations on other grades of oil have been advanced in proportion to 28@29c. for butter, 27@28c. for prime white, 29@30c. for prime winter, 23¼@24c. for off-grade yellow, while crude has been quoted in tanks at 16@16½c. f. o. b. at the mills, both in the Mississippi Valley and at Atlantic coast points, at the last of which the supply is nearly exhausted. But no transactions in crude have been reported since our last, though that rumored in our article of two weeks ago, in the Mississippi Valley, proved to have been 40 tanks, all at 16c. for "season's prime," though there is practically no prime crude left in the country, in bulk or barrels. In addition to the sales given above late last week and early this, there were 1,000 bbls. of off-prime summer yellow at 23¾c. New York, but whether



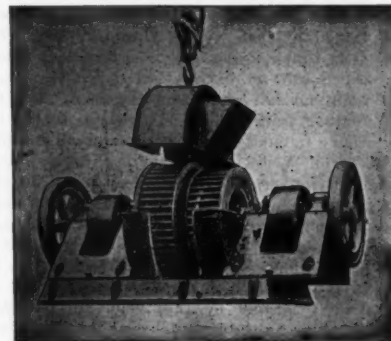
"Stedman's Disintegrators" ARE THE BEST

Are used by nearly every large packing house and fertilizer establishment in the United States. References:

Armour & Co., Chicago and Kansas City.
Swift & Co., Chicago, Kansas City and East St. Louis.
Cudahy Packing Co., Omaha, Neb.

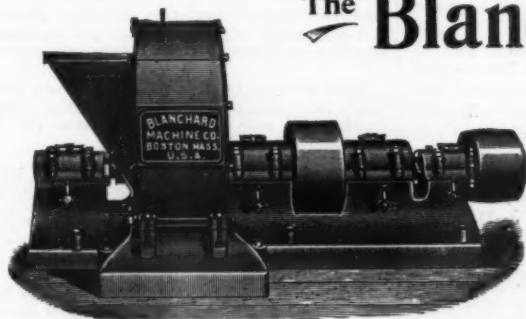
Write for Catalogue and full Descriptive Matter.

We manufacture machinery for equipping complete fertilizer plants, consisting of Disintegrators, Bone Breakers, Mixing Pans, Screening Elevators, Engines, Boilers, Shafting, Pulleys, etc.



Stedman Foundry and Machine Works, AURORA, IND.

The Blanchard Disintegrator



IS THE ONLY UP TO DATE MACHINE.

It is the result of scientific design, backed up by careful tests and long experience. It is not everybody that can build a Disintegrator that will give satisfaction under severe conditions and hard service. To accomplish this result

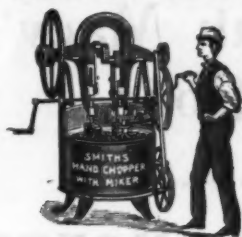
THE CONSTRUCTION MUST BE OF THE VERY HIGHEST GRADE.

The Blanchard Disintegrator will grind Bone, Glue, Tankage, Soap Powder, Caustic, Salt, Chemicals, Sticky and Resinous material, and in fact any brittle or soft material.

Write for catalogue giving full information regarding your material.

BLANCHARD MACHINE CO., 303 Congress St., BOSTON, MASS.

Smith's Patent Celebrated Buffalo Choppers with Self-Mixers, used the World over.



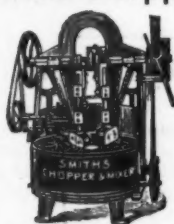
**BEST and CHEAPEST
HAND CHOPPER**
IN THE WORLD.
Chops and mixes 30 lbs. fine
in 15 minutes. Runs easy
and is Strong and Durable.
Send for Lowest Prices.



BUFFALO SPICE MILL

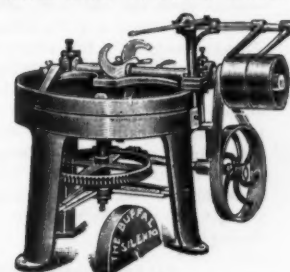
Best Mill ever put on the Market.
It pays to grind your own spice, then
you know it is pure.

Buffalo Chopper, Chops, Stirs and
Mixes at one time.



Best Lard Mixer ever Invented.

(Patent Applied for.)
75 to 800 Gallons Capacity.
MODERATE PRICES.



Latest Silent Cutter.

WRITE FOR PARTICULARS.

JOHN E. SMITH & SONS, Buffalo, N. Y.

Directory of Cotton Oil Mills

ALSO OF
BUTTERINE FACTORIES IN EUROPE
APPEARS IN OUR

YELLOW BOOK
THE MANUFACTURE OF
COTTON SEED OIL.

Send Check or Postal Order for \$3.25.

The National Provisioner Publishing Co.,
284-286 Pearl Street, 11 Rialto Building,
NEW YORK. CHICAGO.

AGENTS WANTED.
IT'S A GOOD THING.



The PERFECTION DRIED BEEF CHIPPER.

IS the best thing out.
ECONOMICAL, uses up 98% of the beef.
SIMPLE, anybody can work it.
FAST, cuts 150 pounds per hour by hand.
CLEAN, chipped meat drops in a drawer.
PROFITABLE, compared with any other
machine.

Price, \$25.00 l. o. b. New York or Chicago, 150 lbs. per hour
Foot Power, \$150.00 " " " 300 "
Steam Power, \$200.00 " " " 600 "

Sausage Casings and Butchers' Supplies.
120 Pearl Street, NEW YORK.
Fulton and Peoria Sts., CHICAGO.

WOLF, SAYER & HELLER,

WANT AND FOR SALE ADS. can be found on PAGE 45.

for local or export account was not stated, though exporters claim they are shut out of our market by the advance. But the trade believe there are considerable orders in the market for France, if round lots could be obtained at last week's closing prices. It is even rumored that business has been done at the South for export, but up to Wednesday night no sales had been reported. The only further transactions reported up to the time above named were 200 bbls. of off-yellow at 24c. on Wednesday. Thus it will be seen that the stronger position of the market, noted at the close of last week, was not due to export demand, as we then supposed, but to increased consumption from refiners, as were the big transactions in tank lard of two weeks previous, all of which went to refiners, and was bought largely by the American Company, and some by the Kentucky, as we then stated. The situation abroad remains as it did at the close of last week, with an expected higher duty on American cotton oil by France, in retaliation for our higher tariff on French products, and that this advance in the duty will be preceded by an active demand for our oil, previous to the new law taking effect, is expected by the trade. This is now regarded as almost a certainty, unless something unforeseen should occur in the Conference Committee of Congress, and prevent the carrying out of the original tariff scheme. This is, in part, also, what makes holders so firm in their views, together with the increased consumptive demand and light stocks. The wants of compound lard refiners are also larger at this season of the year, when that staple is largely used in preference to lard, even at the current low prices of the latter, because of its leakage and waste in hot weather. The new cotton crop still continues to be about three weeks behind last year's crop, although improved of late by more favorable weather conditions at the South; and this is also in favor of holders, giving a longer season upon the old crop, although this season is only about a week behind the average. This seems to be a fair summary of the situation, which has been gathering strength week by week for some time past, though the sharp advance at the close of last week and early this has naturally checked demand, but holders seem to confidently expect it will come in again at their figures. There have been 1,500 bbls. of oil, for export on old contracts, going out, via New York this week, on through shipment.

(For Later Report see Page 40.)

LARGE CHEESE EXPORTS.

The exports of cheese from this port continue large, the total quantity for the present season up to the close of last week being 439,015 boxes, against 353,137 boxes for the corresponding period last year, showing an increase of 85,878 boxes. The value of this season's shipments aggregates about \$2,200,000, against \$1,765,000 a year ago, an increase of \$435,000, and leading men in the trade anticipate a continuance of large shipments from now until the close of the season. The combined shipment from Montreal and New York for the present season are 602,195 boxes, as compared with 479,793 boxes for the corresponding period last year, showing an increase of 122,402 boxes.—Montreal Trade Bulletin.

CHICAGO NOTES.

George R. T. Ward, secretary of the Continental Packing Co., died from a paralytic stroke, July 8.

John Hildebrand, an employé of the Chicago Packing and Provision Company, was instantly killed at 9:55 o'clock Saturday morning last in one of the Company's warehouses at Forty-second and Cook streets, by having a cake of ice fall upon him.

The firm of Braun & Flitts, speaking of the new butterine law prohibiting its manufacture in this State, said: We shall continue to do business as usual until such time as a test is made of the law, which our attorneys advise us cannot be enforced on several constitutional points. Butterine bought outside of the State affords no protection not accorded by the State of Illinois to its own citizens. We will not become violators of the law if it is upheld by the Supreme Court, and should it decide against us we shall move our plant to a State which affords reasonable protection to its industries."

A dispatch from Omaha, dated July 12, says: "Prominent Chicago men have organized the Cattle Feeders' Loan Company, with a capital of \$500,000. The offices will be in Omaha and in Chicago. The directors are: Andrew Comstock, of Providence, R. I., president of the G. H. Hammond Company; James C. Melvin, of Boston, vice-president of the G. H. Hammond Company; J. D. Standish, of Detroit, treasurer of the G. H. Hammond Company; J. P. Lyman, of Chicago, general manager of the G. H. Hammond Company; J. H. Millard, of this city, president of the Omaha National Bank; E. A. Cudahy, of this city, and Michael Cudahy, of Chicago, of the Cudahy Packing Company; Guy C. Barton, of this city, president of the Omaha and Grant Smelting Works, and H. C. Bostwick, cashier of the South Omaha National Bank. The business of the company will be under the active management of Mr. Bostwick."

WITH OUR ADVERTISERS.

The large number of packing houses in which the Vilter Manufacturing Company, of Milwaukee, Wis., has installed ice machines and the satisfaction which is invariably given the purchaser is conclusive evidence that the Vilter machines are reliable.

The Buckeye Iron and Brass Works, of Dayton, Ohio, are manufacturers of cottonseed oil mill machinery of all kinds. Those who contemplate installing machinery should place themselves in correspondence with this house.

Preservaline is a preventative. It prevents fermentation and souring of meats. It prevents skippers, slime and mould. It prevents the dangerous fungus in meats. It gives the meat a uniform cherry-red color. It prevents rapid shrinkage in meats. It retains moisture in sausage. It prevents green spots or meat turning gray. It retains the juice in meat and keeps it tender. It is manufactured by the Preservaline Manufacturing Company, of New York.

A beef refrigerator in Schenectady, N. Y., is offered for sale. See page 45 for particulars.

A six-ton refrigerating machine, with engine is offered for sale on page 45.

Joseph Lister, of Chicago, offers filter presses for sale. See particulars on page 45.

EUROPEAN ADVERTISERS.

Attention is called to the advertisement on page 11, of Emil Borgmann, of Berlin. American houses who desire a representative for sales of choice steam lard, beef and pork products, sausages, cotton oil, etc., would make no mistake in corresponding with the firm.

Heinr. Pfeiffer, of Hamburg, Germany, imports provisions, lard, oleo, oils, etc., and would make a desirable representative.

Paul Fahrenhorst, Hamburg, is an importer, buyer and receiver of oleo oil and tallow, lard and neutral lard, oleo stearine, greases and cottonseed oil. He is open for American agencies and furnishes the highest references.

John Koopmans & Co., Amsterdam, Holland, are desirous of corresponding with crushers of seed to represent them for oil cake and meal.

William Simpson, Liverpool, has the largest connection throughout the United Kingdom with the buyers, users and manufacturers of all packing house products, and can handle these goods to the fullest advantage and benefit of consignors.

Goldmann, Riedel & Co., Hamburg, are importers, buyers and receivers of canned goods, barrelled tongues, oleo oil, pork and beef products, cottonseed oil, lard, etc. Theirs is an old established and reliable house.

The highest prices are paid for large beef bladders by J. Mogendorff en Zoon, Groenloo, Holland.

Josiah Macy's Sons,

Receivers of

COTTONSEED OIL

CRUDE AND REFINED.

191 Front Street
NEW YORK.

GLOBE REFINING CO.

REFINERS OF

COTTON OIL.

Prime Summer White

FOR LARD COMPOUNDING.

CABLE ADDRESS,
"GLOBE, LOUISVILLE."

Louisville, Ky.

Quality Guaranteed. All Other Grades of Cotton Oil.

DIAMOND FULLING AND SCOURING SOAP.

Obtain our Prices before buying

LOUIS K. FERGUSON, President.

CLEMENS G. HEWITT, Sec. and Treas.

Low-Priced Cash Registers.

We offer a new line of detail-adding cash registers at lower prices than similar registers can be bought for elsewhere.



No. 15 Detail Adder—Price \$80.

We make all kinds of cash registers, ranging in price from \$15 to \$375. We also sell second-hand registers, taken in exchange for high-grade Nationals. Address department F, The National Cash Register Company, Dayton, Ohio.



No. 18 Detail Adder—Price \$25.

It is also important to probable purchasers that our registers are free from any possible taint of infringement and that persons buying them run no risk of being sued for damages as a result of their use.



No. 19 Detail Adder—Price \$40.

NEW YORK CITY AND VICINITY.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

** A new floor will be put in the large beef cooler at Kaufman & Strauss' abattoir, the foot of West Thirty-ninth street, this city. Mr. A. Strauss who has recently recovered from a long sickness, is recuperating at Long Branch, N. J., where he intends to remain for another month.

** If you consider you are not getting the full value for your calfskins, write us; we will put you in communication with one of more reliable city firms.

** A new market will be opened to-day (Saturday) on Park avenue, between 119th and 120th streets, city, by Butcher Brill, a well-known east side retailer. E. Marschieder has fitted up the store, and the marble fixtures and fittings are very elaborate. The ice house is only 7x9, owing to lack of space, but it is stated to be thoroughly insulated, and the workmanship is as good as it is possible for money to make it. Office, corn beef boxes, and all accessories are all complete, and is we may judge from his other establishments, we know he will command more than a good share of the patronage of the vicinity.

** There has been recently added 100 latest improved refrigerator cars to the already established Schwarzschild & Sulzberger Car Line, for further facilitating the handling of meats from Kansas City to the various branch establishments in different parts of the States.

** Schwarzschild & Sulzberger's old branch house at Pittston, Pa., is being enlarged and extensive alterations and improvements made, and when completed will be one of the largest beef houses in the State. The same firm has recently acquired and about completed a new branch establishment on Lake street, Milwaukee, Wis., with all modern improvements, including a direct expansion machine for freezing and cooling purposes, and will open the same on or about Aug. 1, 1897. In Chicago, also, on the north side, at Oakdale avenue, this firm has has lately acquired property and have commenced to build a brick structure. The dimensions are 50 x 125 feet, and when finished it will be second to none in the country for finish and latest improvements. It will be ready for business about Sept. 1, 1897. We understand also that contracts are let for the improvement and renovating of all their branch houses throughout the country.

** C. C. Galbraith, manager of the Armour Packing Co., is away this week on a business trip to Boston.

** The report that residents of Hoboken are complaining of disagreeable smells which come from the adjoining neighborhood of Henderson and Twentieth streets, Jersey City, exists only in the nostrils of the reporters who furnished the information, but failed to do business with some of the aforesaid parties, hence the disagreeable odor, to them. The fact is, the abattoirs, beef houses and fat rendering establishments are bunched together in a locality whose residents consist of a few Italian families, whose habits and surroundings are a greater stench to the inhabitants that the cleanly house inspected regularly by the local authorities, who report everything being done in them conducive to health.

** Deputy Sheriff Williams received an attachment Thursday against David Levy, wholesale butcher, at 606 West Fortieth street, from P. J. Britt, for \$1,213, in favor of Samuel Sanders, which was obtained on the ground that Mr. Levy has sold out to I. Levy. He has been in business for twenty-five years.

** The meat inspectors of the Board of Health condemned for the week ending July

14, 4,800 lb beef, 750 lb veal, 6 calves (300 lb), 1,300 lb sheep and 32 bbls. poultry (6,400 lb).

** Schedules of Drescher, First & Co., wholesale butchers, at 776 First avenue, show liabilities, \$10,034; nominal assets, \$2,557; actual assets, \$2,095.

** A fire was discovered early Monday morning in a frame shed alongside the large slaughter house of S. & F. Plaut, at 356 Johnson avenue, Williamsburg. On the arrival of the firemen the flames had spread to the main building, and also to a three-story frame house owned by Jacob Franz, at 358 Johnson avenue. The fire was not extinguished until the Plauts entailed a loss of \$1,500. A horse and two cows also perished. Franz placed his loss at \$200. It is not known how the fire started.

** The Long Island Agricultural Chemical Co., of Long Island City, N. Y., started their factory at Blissville, L. I., on July 5, where for a while they will manufacture bone glue until the remainder of their extensive alterations are completed, enabling them to make the usual acids, etc.

** Extensive improvements were completed this week at the branch house of the Schwarzschild & Sulzberger Beef Co., foot of West 132d street, New York City. The old beef cooler has been enlarged and a new one added with a capacity together of about 150 cattle. There are 22 lines of tracking which, with improved switches covering five tracks, are made by the patentees, J. Duncan & Co., of Boston, Mass. There are tracking scales inside the cooler to enable them to weigh everything that goes out, and another in the vestibule and salesroom. The offices on the second floor have been remodelled, giving greater space and better light. The exterior has been repainted, and the whole may now be considered a model establishment. D. H. Wallace is the manager and R. C. Loveridge the bookkeeper.

** The Armour Packing Co. opened a new branch house last week at Lynn, Mass. The building is conveniently situated near the depot, and is about 120 feet long by 25 feet wide. At the entrance the office and salesroom take up a space of 18x25, and are fitted up with taste, as befits the purposes for which they are to be used. The cooler adjoins, going back some 62 feet, and is capable of hanging three carloads of beef, beside small stock. The tracking and switches are of the latest improvement. Special attention was given to the insulation, being of a uniform thickness throughout with one inch air space. The whole building is lighted with electric lamps. Next comes the provision room, where hams, pork loins, sausages, etc., will be handled, taking up a space of 20 feet, the rear comprising two smoke houses with packing room 20x25 feet. It is considered to be one of the most complete beef houses in that State for its size, outside of Boston, and with Mr. A. D. Upton as manager, who is well known locally as a good all-round man and a hustler, and a good second in the person of Mr. Chas. DeNoyer as bookkeeper to back him up, we may safely predict a big share of success for this establishment.

AN IMPORTANT PURCHASE OF FANCY STEERS.

The thirty head of fancy bred Polled Angus steers purchased by the United Dressed Beef Co. in Chicago last Monday, were bought expressly for the Messrs. Koelsch Bros., whose market is situated at the corner of Lenox avenue and 127th street, New York City.

The total number of copies of newspapers printed throughout the world in one year is 12,000,000,000. To print these requires 781,240 tons of paper, or 1,562,480,000 pounds, while it would take the fastest single press 333 years to print a single year's edition, which would produce a stack of papers nearly fifty miles high.

WM. E. WEBBE & CO.
PROVISION BROKERS
807 ROYAL INSURANCE BUILDING,
CHICAGO.
H. J. WEIL, Manager Cash Provision Department.

W. THOS. NASH,
BROKER.
Provisions, Lard, Grease, Etc.
240 LA SALLE ST.,
CHICAGO.



THE CAPITAL CITY DAIRY CO. COLUMBUS, OHIO.
CHURNERS Fancy Quality Butterine.

\$3.00 \$3.00 \$3.00
ORDER FOR BOOK.

Send C.O.D. by express, one copy of your book

"The Manufacture of Cottonseed Oil,"
at the price of Three Dollars per copy.

THE NATIONAL PROVISIONER PUB. CO.,
284-286 PEARL STREET,
NEW YGRK.

NAME _____
ADDRESS { _____

\$3.00 \$3.00 \$3.00

THE SCHÖNLAND AUTOMATIC CASING APPLIER.

WEIGHT, 20 lbs.



Sausage manufacturers have for a long time been looking for a machine to run the casings on to the tubes of stuffers. Here we have it, and it will do the work as well as it can be done by hand and in very much less time, thereby saving labor and time, as with this machine one man can stuff as many sheep or hog casings as three or four men can link, besides doing away with the most tiresome work there is in stuffing sausage.

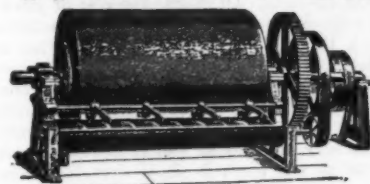
The machine takes practically no power to run, only a 1/4-inch round belt, the same as a sewing machine, and uses no more power than a sewing machine. It does not need an extra operator, as the machine can be used by either one or two men on steam, power or hand stuffers and is never in the way, because when the machine has put on a casing it immediately rises up by itself 8 inches and stays there until needed again. It will run on about 100 feet of sheep or hog casings in about 7 seconds and will handle tender casings just as delicately as the hands of the workman. Two lined wheels go with each machine, but it is only necessary to have one of them on the machine, even when two men are working it; so there is always one wheel in reserve.

A glance at the cut opposite shows the machine at work and after it has put on a casing.

Manufactured by

WM. F. SCHÖNLAND,
10-14 Walker Street, MANCHESTER, N. H., U. S. A.

WM. R. PERRIN & CO. CHICAGO.



COOLING CYLINDERS

\$200.00 AND UP.

Send for our Catalogue

WALTER A. BANTA,

(SUCCESSOR TO GEO. A. BANTA REFRIGERATOR CO.)

BUILDER OF REFRIGERATORS AND FREEZERS FOR ALL PURPOSES.

**SMALL FREEZERS
FOR POULTRY AND GAME
A SPECIALTY.**

ESTIMATES AND PLANS FURNISHED FOR THE INSULATION OF PACKING HOUSES, MARKETS AND COLD STORAGE ROOMS.

PORTABLE REFRIGERATORS FOR BUTCHERS AND HOTELS.

...REFER TO...
RICHARD WEBBER, 120th St. & Third Avenue, New York.
S. OPPENHEIMER & CO., 96-98 Pearl Street, New York.
HALSTEAD & CO., 200 Forsyth Street, New York.
MERCHANT'S REFRIGERATING CO., 161 Chambers Street, New York.
INTERNATIONAL PROVISION CO., Degraw Street, Brooklyn.
DILLON & DOUGLASS, New Haven, Conn., and many others.

BUTCHERS AND GROCERS

When you are in the market for a new Refrigerator or Market Fixtures write to THE SIEBERT REFRIGERATOR WORKS for cuts and prices, the best for the least money in the market.

Builders of Wholesale and Retail Chill Rooms and Supplies.

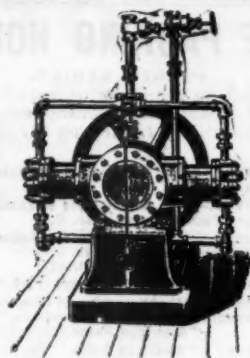
Office, Warerooms and Factory: 18TH AND FEDERAL STREETS, CAMDEN N. J.,

Write for Plans and
Estimates, etc.

**WANT AND FOR SALE ADS CAN
BE FOUND ON PAGE 45.**

WESTERLIN & CAMPBELL,

SMALL REFRIGERATING MACHINES
A SPECIALTY



For COLD STORAGE, CREAMERIES,
MEAT MARKETS, Etc.

Consulting Engineers and Contractors

**FOR ICE MAKING AND REFRIGERATING
MACHINERY.**

26 West Lake Street, CHICAGO, ILL.

Anhydrous Ammonia and Ammonia Fittings.

SPECIFICATIONS AND ESTIMATES
PROMPTLY FURNISHED.

THE PONTIFEX ICE AND REFRIGERATING MACHINE.

Refrigerant: Anhydrous Ammonia, Direct Expansion or Brine Circulation. Simple, Economical, Durable, Efficient. Particularly adapted for the Refrigeration of Packing Houses, Abattoirs, Cold Storage Warehouses, Fish Freezers, etc., and all work requiring low temperatures. 600 plants in operation at home and abroad. Address:

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Jan. 2, 1897.—"The Manufacture of Sausage Casings and Packing Same," No. 2.
" 9, 1897.—"The Manufacture of Sausage Casings and Packing Same," No. 3.
" "About Beef Extract."
" 18, 1897.—"On Cutting Meats (Pork)."
" 23, 1897.—"The Necessity of Cleanliness in the Handling of Perishable Products."
" "American Swine."
" 30, 1897.—"American Swine," No. 2.
Feb. 6, 1897.—"The Preparation of Blood Albumen."
" "American Swine," No. 3.
" 13, 1897.—"Proper Ventilation in Packing Houses."
" 20, 1897.—"Proper Ventilation in Packing Houses," No. 2.
" 27, 1897.—"Proper Ventilation in Packing Houses," No. 3.
March 6, 1897.—"Proper Ventilation in Packing Houses," No. 4.
" 13, 1897.—"Proper Ventilation in Packing Houses," No. 5.
" 20, 1897.—"Proper Ventilation in Packing Houses," No. 6.
" 27, 1897.—"Steer and Heifer Beef," No. 2.
April 3, 1897.—"Steer and Heifer Beef," No. 2.
" 10, 1897.—"Manufacture of Oleo Oil," No. 2.
" 17, 1897.—"Manufacture of Oleo Oil," No. 2.
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" 24, 1897.—"Manufacture of Oleo Oil," No. 3.
" "Expert Beef Trade," No. 3.
May 1, 1897.—"Manufacture of Oleo Oil," No. 4.
" 8, 1897.—"The Scouring of Wool."
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" 15, 1897.—"Roller Compounds," No. 2.
" 22, 1897.—"The Scouring of Wool," No. 2.
" 29, 1897.—"Steer and Heifer Beef," No. 4.
June 5, 1897.—"Steer and Heifer Beef," No. 5.
" 12, 1897.—"Steer and Heifer Beef," No. 6.
" 19, 1897.—"The Process of Thawing Frozen Meats."
" 26, 1897.—"Steer and Heifer Beef," No. 7.
" "Manufacture of Lard and Allied Products."
July 10, 1897.—"Early Lamb Raising."

NO MORE HOG CHOLERA.

One of the worst enemies of the farmer, as well as of the packer, is the dreaded disease called hog cholera. It has appeared heretofore as if this plague were absolutely incurable, and as if every hog affected would have to succumb to it inevitably. In this way hundreds of thousands of hogs have been destroyed, much to the detriment of the farmers, whose entire wealth had been invested in herds of swine. For several years hog cholera (swine plague) has ravaged in Hungary, and has decimated the existing number of hogs to such an extent that in spite of a duty of 16 florins gold per 50 kilo, and costs of freight, commissions, etc., on lard and bacon, it has been possible lately to import American lard and bacon into this greatest of European agricultural countries with a profit.

The Hungarian Government, as well as private citizens, have made every possible effort to find a remedy either of a preventive or of a curative nature which would stop the ravages of this dreaded plague, and which might help to raise the number of live hogs in Hungary to the former basis.

Mr. Robert Ganz, editor of "The National Provisioner," who, as is known, is now traveling through Europe, reports to us that to all appearances a remedy has been found which may terminate the scourge, and the introduction of which in this country, through the Department of Agriculture, would certainly be a boon to our agricultural population. Mr. Ganz writes as follows:

"As you are probably aware, hog cholera has for a few years visited Hungary, and has decimated the hog crop of this otherwise rich and fertile country. It is natural that the inhabitants of cities as well as those of farms have unceasingly tried to find a remedy against this disease which robs the greatest agricultural country of Europe of a great part of her wealth.

"It seems that such a remedy has been found, and it ought to be in my opinion of great value to the agricultural interests of our country.

"The method which is as yet a secret seems to be both of a preventive and of a curative nature, inasmuch as the inventors claim that hogs treated by them will be proof against the disease absolutely, while they also claim that they can cure hogs and pigs affected by the disease as long as the latter have not yet reached a too much advanced, acute stage. They are willing to demonstrate, for instance, that they can cure diseased hogs so long as they still take food, which means as long as they have not shown the symptoms of the disease for more than eight or ten days. It is further claimed that hogs once treated can with impunity come into contact with sick and diseased animals. I infer that the treatment consists partly in feeding certain ingredients which strengthen the intestines and around the guts, with fats, which make the same inaccessible to worms or bacilli, which generally penetrate the guts and make the animals succumb after intense suffering.

"I have seen the owners of this process, and they have expressed a willingness to proceed to the United States at their own expense, providing the Department of Agriculture at Washington is willing to allow them to demonstrate free of cost to them, their process at one of the agricultural experiment stations or at any other place which might be deemed practicable. All they would require are the necessary hogs and to have some inclosed space like stable, sheds or barns.

"The time of treatment is said not to exceed two weeks while the time of subsequent observation would have to be determined by the Department, but should, in the opinion of the inventors, not exceed the ordinary duration of the disease.

"I have advised the Honorable, the Secretary of Agriculture, of this important invention, and hope he will be induced to grant the necessary facilities for the experiments. I reiterate that should these prove successful, an invaluable invention to the agricultural interests of our country will have been made, and I hope that steps will be taken to secure the process for the United States, so that it may be universally adopted."

We join in the expectations of Mr. Ganz, and hope that the agricultural journals of the country will do likewise.

OIL MILLING.

NO. 2.

Our article in last week's issue of "The National Provisioner" terminated with a reference to the rolls, with regard to their being perfectly ground before the new seed crushing season arrives. That the rolls should be made into perfect cylinders, if good work is expected, should not require much time to convince a mill superintendent, if he is not already of that faith. It stands to reason that a set of hollow rolls cannot grind the seed kernels into fine material. This being the case a corresponding diminution in the oil yield will be the inevitable result. The rolls should all be removed from the frames each summer season and ground true. None should be left unground. It will pay handsomely to do this. We have met a mill superintendent, however, who assured us that he has secured such a perfect distribution of feed through the rolls, that the hollow wearing in center was entirely obviated, and that therefore in his case he considered grinding unnecessary. But the small sample of cake which the writer took along, when subsequently subjected to analysis, revealed the fact that the high oil percentage in same indicated that a radical change was needed in some of the operations, and although the opportunity was not favorable to inspect the chilled rolls, it may be reasonably suspected that the fault lay there. If the matter be viewed in a business-like way, the cost of regularly changing and grinding rolls is really insignificant when compared to the value of the oil which quietly leaves the mill premises in the cake. Of course the cost of grinding rolls will vary according to the facilities which the mill possesses, or the location in which it is situated. A mill in a remote section, removed from machine shops by probably a considerable distance, will necessarily be put to correspondingly increased expense, in the way of trucking and railroad transportation to the machine shop works, as compared with the well-equipped plant which operates a grinding lathe on the mill premises. The former will struggle along season after season, without giving the question of roll grinding a thought, or if such should be accorded this very essential operation, it is immediately dismissed when the inconvenience and expense are considered. It is a mistake to reason thus, nevertheless. With regard to roll grinding lathes, many of the large cotton oil mills have not yet realized the necessity of operating same in the mill machine shop. The writer on a recent trip through the South does not remember having seen a single roll grinding lathe in any of the mills, although there may be some in operation in other parts of the country. In this respect the cotton oil mills are behind the times. No linseed oil mill worthy of the name would be considered equipped lacking a roll grinding lathe. It is equally essential in cotton oil milling. About three years ago the writer constructed a lathe on mill premises (exclusive of the castings, of course) with the regular machine shop help, which automatically grinds an ordinary worn chilled roll in from 24 to 48 hours, an emery wheel working on each side of the roll simul-

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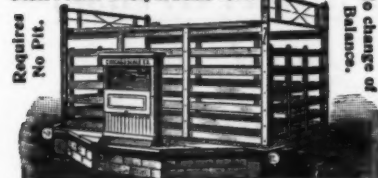
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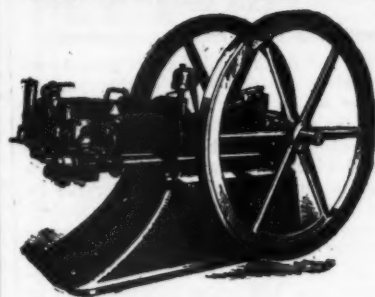
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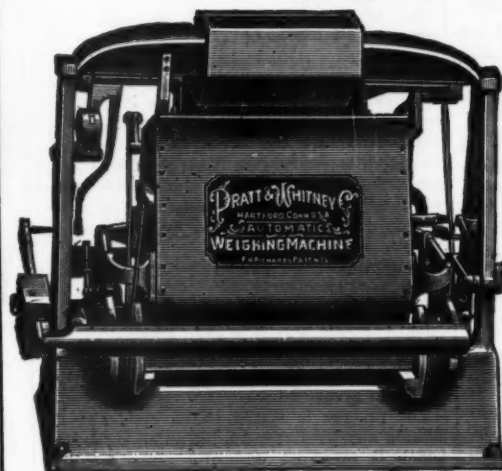
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TECHNICAL.

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(To be Continued.)

ANSWERS TO CORRESPONDENTS.

We gladly and as promptly as possible answer all reasonable questions in this column sent to us by our SUBSCRIBERS or ADVERTISERS.

Answers desired by mail should be accompanied by a stamped, addressed envelope.

Persons desiring not to be known as making an inquiry should add a nom de plume to their questions. By so doing they will avoid identification in this column. The correct name and address should, however, for the publisher's satisfaction, accompany each request for information.

BYCK, MONTREAL.—Purified pepsin is prepared by dissolving the crude pepsin before drying, in water acidulated with hydrochloric acid, then adding just sufficient salt to separate it from its solution. It is next washed gently with cold water and drained, pressed, and dried rapidly on glass with gentle heat.

B. T. A., BALTIMORE.—We would advise you to consult our advertising columns, where you will find the names of the most prominent manufacturers in this country of such machinery.

E. T. A., BUFFALO.—We have now on the press our "Red Book," entitled the "Manufacture of Linseed Oil, Paints and Varnishes." The first copies will be ready for distribution next week. In that book the information you desire is given, besides a number of other subjects are exhaustively treated, which will be of exceedingly great interest to you. The price of the book is \$10.

Y. X., KANSAS.—To the consumer the short-cut ham is so far ahead of the long-cut that argument is unnecessary.

J. B., SCHENECTADY.—The cost of packing meats for export is about 20 to 25 cents per 100 lbs. (labor, salt, boxes, etc., of course), but may possibly be done cheaper. This is a safe calculation, however, under most circumstances.

HOG CHOLERA.—We refer you to our letter in this issue from Mr. Ganz, on that subject.

I. L. E., NEW ORLEANS.—Cotton seed in England, which is principally imported from Egypt, is sold ex-warehouse, by sample, per ton net, free delivered to buyer's craft or wagon, in bulk or with bags included, fourteen days prompt, 2½ per cent. discount, delivery weight, average tare. To arrive parcels are mostly sold ex-ship, on similar terms, warranted fair average quality of the season's shipment, prompt fourteen days from being ready for delivery, damaged taken with allowances fixed by the brokers, all charges to sellers.

S. A., HOUSTON, TEX.—The exportation of the material which leaves the hydraulic press, when the oil is extracted, was originally and exclusively in the form of cake. The English stock feeder prefers it in this form to-day, but the ground material is more in favor in Germany and Europe generally. The first cargo of cotton cake which left this country for the other side was in 1862, we believe. The shipment was made from New Orleans to Liverpool, and the cake was the old "Bien-ville" brand, now controlled by the American Cotton Oil Co.

SOAP MAKING.

NO. 52.

Saponification Under Pressure.—(Continued.)

At one end of the cylinder are placed two safety valves one at the top of the cylinder, the other on an outlet pipe inserted in the head of the cylinder. There is also a mercury bath of about four inches in length of gas-pipe, and which is screwed into the boiler or cylinder in any convenient place for the insertion of the thermometer bulb. At the opposite end of a cylinder is an opening for the insertion of a supply pipe; at the other end is also an opening for the insertion of a second outlet pipe, and which is intended to be used only when it is desired to draw off the whole contents of the vessel. When the machine is first put into operation, if carbonate of soda is used, it is necessary to allow some carbonic acid to escape by one of the safety valves, in order to prevent undue pressure by the liberation of the carbonic acid, when combination of the fatty acids with the alkali takes place. If any of the liquids be allowed to escape before the temperature reaches 323° to 375°, they should be returned to the cylinder.

The safety valve on the outlet pipe may be so loaded as to allow an escape of soap, at a pressure of 250 to 270 lb. A quantity of lye and oil in the right proportions, is pumped in at the opposite ends, the agitation being kept up, a continual stream of soap flowing out at the other end. The product may then be prepared for the market by cooling, moulding, and cutting processes in ordinary use. By this process the soap is made in less than one hour from the time the ingredients are introduced into the boiler, but a uniform thorough saponification is obtained at the instant that the heat and pressure arrive at the required degree. Be the time long or short, if this degree is reached in five minutes the soap is made.

The proportions employed are as follows: Carbonate of soda at 48°, 27 lb; water, 100 lb; lard, tallow or oil, 100 lb; 27 lb of carbonate of soda will, it is said, make a neutral soap for soft water; the quantity obtained by the above process is 200 lb of soap for every 100 lb of grease employed.

The process is stated to be applicable to making any kind of soap, including soft soap, which is prepared with the same rapidity, without requiring the use of so much potash as in the ordinary process.

Although the original inventors recommend carbonate of soda, it would be better to work with caustic soda; the annoyance and trouble caused by the evolution of carbonic acid would thereby be avoided.

Developments in Soap Making.

In common with all other chemical industries, that of soap-making has undergone some changes during the last quarter of a century, and will probably undergo others as time rolls on. These changes have been brought about

by the operation of several factors, some connected directly with the operations of soap-making, others by developments in other chemical industries. The result of the changes has been the production of soap by cheaper methods and of better quality, and as a result again in larger quantity, because of the increased consumption induced by the reduction in price to the consumer. Time was when it was attempted to make soap out of a great variety of materials—fish, skin parings, bones, etc.—but as a knowledge of soap chemistry has increased, these have all been discarded, and now practically nothing but what is essential to soap-making is used. The soap now made is of better quality because the soap-maker can now lay his hands on purer materials; the alkali manufacturer has progressed, whereas twenty-five years ago a chemically pure carbonate of soda or caustic soda was unknown commercially; to-day they are obtainable in any quantity. Hence, having purer alkalies to work with, the soap-maker cannot only make better soap, but he can make it easier and more cheaply. Then the oil chemist has not been idle; the processes of extracting and refining the oils have been greatly improved, and the quality of the various oils and fats has been improved to a very considerable extent, which also operates in the direction of producing better soaps. Not many years ago the soap-maker threw all his spent lyes away, notwithstanding the fact that they contained all the glycerine originally present in the fat. The great development which has taken place in comparatively recent years in the employment of dynamite for mining and blasting purposes has caused a demand for glycerine to make nitro-glycerine, which is the explosive element in dynamite. This demand has caused chemists to pay attention to the re-

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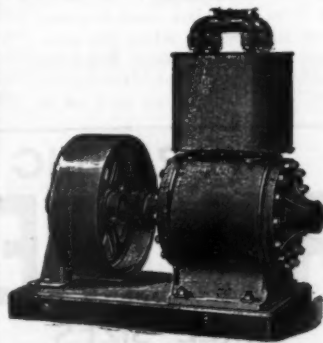
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TECHNICAL.

covery of the glycerine from soap lyes, and with considerable success; so much so, that no large soapworks is now without its glycerine recovery plant, and this branch forms no small item in the profitable working of a soap factory. Considering that so much progress has been done in improving the manufacture of soap, one sometimes wonders what the next step will be; for, on a cursory glance, soap-making to-day appears to be as well nigh perfect as it well can be, from a chemical point of view. One direction in which developments may be looked for will be in the decomposition of the fatty matter into fat acid and glycerine, and the conversion of the fat acid into soap by treatment with the required quantity of alkali. To some extent this is now done, but the best conditions have not been found out, and probably the fact that until lately good grades of alkali had not been available, may have had something to do with the want of success; but still it is in this direction that soap-makers must look for progress, and any one who devises a successful method will have some advantage over his fellow soap-makers which will guarantee some return for his skill and the labor he may have devoted to solving the problem.

(To be Continued.)

HOW TO MAKE PARISIAN JELLY.

Use well trimmed pig skins freed from all fat, scrape them clean, put into a casseroles and add enough warm water to cover well; make hot, stirring constantly until the liquid has turned turbid throughout. Now pour off the turbid water, wash again with a little warm water, then add hot water. For three pints of water use 1 lb of skins, or 1½ lb scalded calves' feet. In order to render the jelly stronger and more palatable, add 1 lb lean beef; then add for this quantity:

One and a quarter oz. salt, 2 slices lemon, 8 large grains of pepper, 2 cloves put into an onion, 1 carrot, one-half celery root, 1 wine-glassful vinegar.

Boil in a casseroles, take from fire, put on hot stove, and allow to simmer quietly until the skins are soft; let cool and skim off the fat. Warm the jelly up somewhat to make it liquid. Beat up whites of three eggs, add to the jelly, put upon a low fire and stir slowly. When it begins to form waves take from fire, uncover, put upon a hot plate, raising one side by placing a piece of iron below, and allow to simmer slowly for half an hour. Now strain through fine muslin, if necessary, also through filter paper, into a porcelain vessel. It should be filled into the form when but lukewarm, not hot; if color is desired, use a vegetable color—cochineal, violet or orange yellow. Always let the jelly cool perfectly. To take it out, dip the form into warm water for a second, up to the rim, just warm enough to bear the hand therein. When the jelly has become loosened, shake violently a few times, put the dish on top and turn over immediately; then the form is slowly lifted. If the jelly is wanted for immediate use, the best table gelatine should be used, about fifteen shreds for one form. Clarify and boil as with skin jelly. The copper casseroles used should have a strong bottom. Jelly should be clear enough to allow writing to be read through it with ease.

THE LEADING PACKERS IN THIS COUNTRY, IN GREAT BRITAIN AND EUROPE SUBSCRIBE TO THE NATIONAL PROVISIONER. IT IS NOT NECESSARY TO ASK WHY.

AMERICAN LARD IN NICARAGUA.

The Central American State Issues a Decree Suspending the Duty on Imported Lard and then Imposes a Duty on the Product Just the Same.

Thomas O'Hara, the American Consul at San Juan del Norte, Nicaragua, under date of March 15, 1897, writes to the Department of State at Washington, from which it would appear that the Nicaraguan Government is at fault. Mr. Samuel Weil, an American citizen and importer of lard at Bluefields, received on Nov. 14, 1896, a copy of the lard decree promulgated by the Nicaraguan Government, and which decree suspended duties on imported lard for a period of six months, beginning November 1, 1896, as reported in these columns at the time. The Consular Agent at Bluefields, Mr. M. J. Clancy, called upon Governor Torres, and suggested that the amounts paid by American merchants in November be rebated, but he declined to do so. The Governor promised, however, not to collect duties in May, 1897, saying that such would make up for the duties paid in November.

Consular Agent Clancy makes this report: "The decree (lard decree) was issued by the Nicaraguan authorities and was to take effect after promulgation throughout the Republic. It should have gone into effect in Bluefields November 12, 1896, and have continued for a period of six months from that time. Some of our merchants, acting on the decree, sold lard on the basis of the reduction of duty, and ordered their supplies from the United States accordingly. But when they went to liquidate, the duty was added; and on making protest they were informed that the decree would not be effective here until December 1. The various merchants complained to me in regard to the matter, and, acting in their behalf, I went to the palace, and had a talk with Colonel Francisco E. Torres, the then acting Intendant General. After explaining the matter to him, he agreed to the following: Lard would be admitted free for December, 1896, and January, February, March, April and May, 1897. In this way, the merchants here would have the benefit for a period of six months, but the duty collected would not be refunded. This arrangement was satisfactory to our merchants, as they thought that the agreement would be adhered to, and ordered and sold accordingly. But about December 12 last, the Government band marched from the palace, and, stopping at the corner of King street, where the principal stores are located, an officer, delegated for that purpose, made public proclamation to the inhabitants of Bluefields, as well as to

those of the department of Zelaya, that in the judgment of Colonel Torres the decree was not intended to apply to Bluefields, but only to the Nicaraguan ports on the Pacific ocean, and hereafter duty would be collected on lard the same as though no decree had ever been issued by the President of Nicaragua. Col. Torres issued orders to the customs officers at the Bluff to begin collecting duty on all lard then in the custom house, and ever since the merchants have paid, and will continue paying duty, unless a protest is made to the president in regard to the action of Colonel Torres in the matter. Many of our merchants had ordered and sold quantities of lard, acting on the promise of Colonel Torres.

"The National Provisioner" communicated with the Department of State at Washington in regard to the matter, and the following reply was received:

"Department of State,
Washington, July 8, 1897.

"The National Provisioner Publishing Company, 248 Pearl street, New York City.

"Gentlemen: Referring to your letter of the 22d ultimo, you are informed that the information received from our Consul at San Juan del Norte concerning the decision of the Nicaraguan Government to reimpose the duty on imported lard, was published in 'Consular Reports,' but that no further action has been taken in the matter. Respectfully yours,

"THOMAS W. COIDLER,
Third Assistant Secretary."

BEEVES EXPORTED.

The increase in foreign shipments of live beeves has been very great in recent years. In eight years the average per annum has been about 340,000, and for the eight years preceding only 132,000. The smallest total, since 1880, was 75,377, worth \$5,012,940, and the largest 420,835, in 1894, worth \$38,963,554. The averages were respectively \$66.50 and \$92.34, showing a material advance. Last year the number was 394,772, valued at \$36,576,412, a sum exceeded only in 1894, though in 1890 the number was greater, 416,777, valued at \$33,309,668. The average value of beeves exported in eight years past has been nearly \$33,000,000, which with that for fresh and pickled beef has made a snug sum to the credit of cattle growers, and a healthy stimulus to domestic trade.

Old Negro Woman (pouring coal oil among a nest of cockroaches)—I jis' reckun I's gwine to fix you dis time. I'se tried lime, insect powdah and hot watah, an' dey hain't done no good; but now you'd jis as well gib up, fer you can't buck de Stan'ard Oil Company.—Philadelphia Press.

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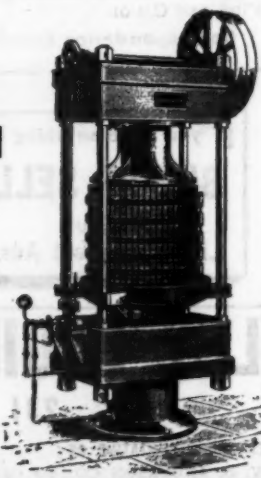
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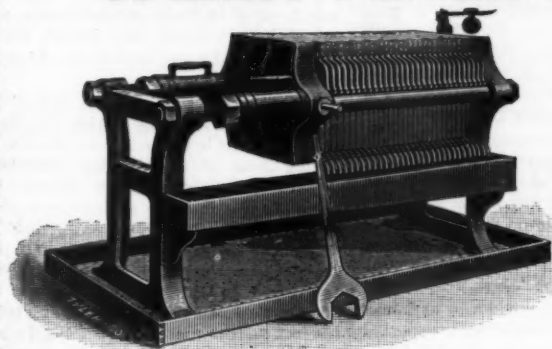
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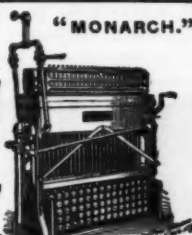
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AMERICAN BUTTER THE BEST.

Finding it difficult to get an unprejudiced and definite comparison made in London between butter sent there by the U. S. Department of Agriculture, and the best products of other countries, Secretary Wilson directed his agent to buy representative packages of fine butter from various sources and send them in cold storage to New York. The foreign lot included sample casks of the best English (Dorsetshire), Danish and French, and boxes from Australian and Irish creameries, as well as rolls of "sweet" or unsalted, such as is sent daily from Brittany, and sells at the highest prices in the London market.

These foreign butters were last week critically examined by the leading butter merchants of New York and compared with packages reserved from a lot lately sent abroad by the Department, made at creameries in Minnesota and Massachusetts. Except the Australian, these butters were about all the same age. The Danish, which ranks first in the salted butter supply of the English markets, was a little younger and fresher than the Minnesota package. The samples were scored by Butter Inspector Healy of the New York Mercantile Exchange. On a scale of 100 points, the Minnesota creamery was marked 96½, the "Royal Danish" 95, the Massachusetts 94. (The last was a very small package, had been kept three weeks and had deteriorated somewhat, although evidently a very fine article when fresh.) The fresh Brittany rolls were also placed at 90½. The other samples were marked 90 and below. The only ones marked perfect in grain, texture or "body" were those from Minnesota, Denmark and Brittany. Minnesota and Brittany (unsalted) were both placed at 36½ (out of 40) for flavor, with Massachusetts and Denmark following at 35, and no other above 31. This judgment was concurred in by a majority of the dealers who examined the samples. Several English merchants were also present, being in this country to investigate our supply and make purchases. They thought that some of the foreign samples were hardly representative of the best of their kind obtainable in London. But they agreed that the Danish and French samples were fully up to the standard, and that the American samples shown were quite equal to these, and in some respects superior. One of these English buyers said he was ready to contract for an almost unlimited quantity of butter equal to the tub of Minnesota creamery shown at 1c. per lb above the highest market quotations. This was a very conclusive demonstration that we can make in this country as fine butter as is produced anywhere, and much better than most of that upon which Great Britain depends. And we can deliver it in good condition in London, if that market will pay sat-

isfactory prices for it. The fresh Brittany rolls, so much admired, were quoted at 25c. per pound wholesale in London last month, and the Danish casks at 20¢21c. The Minnesota butter, thus pronounced superior to the latter, sold in New York at the same time at 15¢16c., and could be offered in London at 19¢20c. at a handsome profit.

IMPORTS OF MARGARINE AND BUTTER INTO THE UNITED KINGDOM.

The following table shows the quantity of margarine and butter imported into the United Kingdom during the month of May, 1897, with comparisons of a year previous, together with the country from which same was imported:

| From— | —Margarine— | | —Butter— | |
|-----------------------|-------------|--------|----------|--------|
| | 1896. | 1897. | 1896. | 1897. |
| | cwts. | cwts. | cwts. | cwts. |
| Russia, North. | ... | ... | 19913 | 24256 |
| Sweden 1 | ... | ... | 24457 | 22224 |
| Norway 569 | 551 | ... | 1558 | 3231 |
| Denmark 1 | ... | ... | 106383 | 112887 |
| Germany 1308 | 1382 | ... | 6578 | 1301 |
| Holland 57544 | 69995 | ... | 20379 | 30181 |
| Belgium 197 | 754 | ... | 2762 | 1377 |
| Channel Isl. | ... | ... | 92 | 34 |
| France 1901 | 1879 | ... | 37385 | 37608 |
| Portugal | ... | ... | ... | ... |
| Spain | ... | ... | 3 | ... |
| Italy | ... | ... | ... | ... |
| Turkey, Asia. | ... | ... | ... | ... |
| Bengal | ... | ... | 61 | 100 |
| Victoria | ... | ... | 2822 | 10216 |
| N. S. Wales | ... | ... | 206 | 3931 |
| New Zealand. | ... | ... | 2442 | 7278 |
| Canada | ... | ... | 200 | 264 |
| U. S. (Atlantic). ... | 720 | ... | 4950 | 3022 |
| Arg'tine Rep. | ... | ... | 653 | 402 |
| Other places. | ... | ... | 1 | 2 |
| Total 61521 | 75281 | 230953 | 258314 | |

DENMARK AS A DAIRY COUNTRY.

Denmark is a little country in northern Europe, about 14,000 square miles in extent, or but little more than one-sixth the size of the State of Kansas, with a population of 2,000,000. This little country has, during the last dozen years, become noted the world over as a dairy country. It produces about 170,000,000 pounds of butter yearly, of which amount nearly one-half is consumed at home, and the balance, for the most part, exported to England. England pays the Danish farmers, on an average, \$2,000,000 a month for butter. The area of Denmark is approximately equal to that represented by the three eastern tiers of counties in Kansas. Suppose this portion of the State to be populated with 2,000,000 people, more than half of whom were farmers, then you could form some idea of the conditions under which the Danish dairy industry has developed, with this exception, that the Kansas soil in this region is of very much better quality than the soil the Danish farmers cultivate.—Prof. C. C. Georgeson, in Kansas Farmer.

PACKING HOUSE NOTES.

Manufacturers of machinery and fixtures interested in these notes, should also consult the items under Ice and Refrigeration, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 45.

Persons contemplating the erection of packing houses or in need of packing house machinery will do well to make their wants known in this column. The foremost firms in the lines mentioned closely peruse the notes on this page, and prospective purchasers of machinery would be placed in immediate communication with them.

* Franz Bros., of Springfield, Ill., the wholesale and retail butchers and pork packers, whose establishment was damaged by fire recently, will have the premises in a short time covered with handsome new brick buildings. This firm has recently been awarded the contract by the State to furnish the National Guard in camp with meats.

* The following from an exchange will show what Britishers think of the hams manufactured in Chicago, and especially Lipton's product: "You cannot go to a city in the British Kingdom in which you will not find occupying a permanent place on the public street one of Lipton's establishments which among other things sells Lipton's hams and bacon. A very considerable portion of the hogs from which these hams are made are bought in Chicago, at the highest prices going, cured in their own particular way and branded with their own brand, and every man who buys one knows he is getting a choice article."

* Kansas City packers knocked all packing records to smithereens during the first half of 1897. This is the record for the six months ending June 30: Hogs killed, 1,585,000; cattle killed, 412,000; sheep killed, 470,000. These figures indicate an increased slaughter of 357,000 hogs, 43,000 cattle and 106,000 sheep over the first half of 1896. Of the hogs the Armour Company killed 648,508 from January 1 to July 1, 1897, against 517,662 for the corresponding period in 1896 and 464,985 for the first half of 1895. In addition to this hog packing the Armour Company has been a heavy buyer of ribs from other packers and these purchases would be equal to a slaughter of 100,000 hogs. Over 1,000,000 pounds of ribs purchased from outside packers were shipped to the Armour house this week to be smoked and shipped to the South. The Armour Company has also made a large increase in the slaughter of cattle and sheep, and on the whole its business for the first half of 1897 is about 25 per cent. larger than the business for the same period last year. General Manager Rich, of the Swift packing house, said that business in all lines at that



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house was heavier during the first half of 1897 than ever before in the same length of time. He said the increase was about 50 per cent. over the business for the corresponding six months in 1896. An enlargement of the slaughtering operations at the Schwarzschild & Sulzberger packing house was also reported, that company having increased its killing capacity and added very largely to its trade on both sides of the water. The other packing houses in Kansas City also did a heavy business during the first half of 1897. There are over 8,000 persons employed in the packing houses in Kansas City at the present time.

* Articles have been filed with the Secretary of State of Utah, incorporating the Nevada Land and Live Stock Company. The incorporators are William B. Preston, president; Francis Armstrong, vice-president; John Kirkman, secretary and treasurer; Heber J. Grant, Franklin S. Richards, and Anthon H. Lund.

* Stuart Bros. & Murray and ex-Judge W. C. Kingsley have commenced suit in the district court of Logan County, Col., in behalf of W. C. Powell asking \$10,000 damages from the Western Union Beef Company, of which ex-Governor Baxter is president. It is complained that six years ago the company named imported on the plains east of Denver a large number of cattle from Texas and allowed them to roam where they would in the locality. They mingled with the Colorado cattle, and these soon thereafter perished in large numbers from Texas fever which the cattle from the Lone Star State had introduced. The Western Union Beef Company has been held responsible for the introduction of the distemper and the resulting losses, and those who suffered have banded together and transferred their claims to W. C. Powell, who will prosecute their cases for them. The damage has been assessed at \$10,000.

* It is reported that Armour & Co. will build a \$100,000 manufactory and distributing plant in Portland, Me.

* A magazine writer went to Phil Armour not long ago, and asked him how to get rich. Armour said the best method he knew of was to make sausages and not stand around asking fool questions. People who have heretofore been inclined to look upon Armour's wealth as the result of lucky combinations will now be likely to change their minds and give him full credit for what he has done.—Cleveland (O.) News.

* J. Mason Schofield, foreman of the North Packing and Provision Company, recently enjoyed with others the festivities in Bath, Me., commemorating the fiftieth anniversary of that city. Mr. Schofield was the guest of the Kennebec Engine Company.

* The court has issued an order relieving the receiver of the St. Paul (Minn.) packing plant of the lease which was claimed to be



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burdensome. The plant now falls into the hands of the Stock Yards Company. It is rumored that Cudahy is considering a liberal proposition to run the packing plant.

* The directors of the Union Stock Yards Company, at South Omaha, have appointed John A. McShane traffic manager, and W. J. C. Kenyon general manager.

* The Boston Journal, which is usually pretty reliable, has the following news dispatch from Yuma, Ariz.: "Juan Carillo, who raises cattle in Cochis County, near the Mexican line, is reported to have struck a bonanza of a novel kind. On his ranch are salt licks which contain placer gold, but so fine is the gold dust that it cannot be saved from the sand. Recently Carillo killed a steer, and in the lining of its stomach found four ounces of fine gold. The steer licked up four ounces of gold in less than two months. The salt in the earth had chlorinized the metal and the lining of the stomach had served as a coarse blanket at the bottom of a sluice in preserving the gold. Carillo slaughtered a sheep that had been feeding in the same pasture, and the result was equally satisfactory, only that the amount of gold was somewhat smaller. Carillo believes he has struck a rich thing."

* Venezuela has been a big consumer of our compound lard. But within a week a law has been passed making duty on compound equal to three times the duty on pure lard. This will materially reduce the demand for our compound lard and therefore for oleostearine from our local refiners.

* Havana, via Key West, Fla., July 10.—Reports from Artemisa say that owing to the great scarcity of meat in the Candelaria district it has been found necessary to confiscate cattle in order to furnish supplies for the hospitals.

* Thomas J. Lipton, the Chicago packer, who gave \$125,000 to the Princess of Wales to feed the outcast poor of London, during the jubilee, arrived in New York from London Saturday last on the Campania. Mr. Lipton was interviewed at his office at 80 Front street, New York, and said it was his intention to leave for Chicago in a few days.

* A cable from Berlin, Germany, says that the new oleomargarine law will have a tendency to restrict American imports of oleomargarine materials, as under the law the sale of oleomargarine will be difficult and less advantageous. The total quarantine against Russian hogs takes effect on Sept. 1, along the German-Russian frontier.

* In the month of June, Indianapolis' packing houses killed 297,700 hogs, against 280,000 in June, 1896. Mr. Shaw, of Kingan & Co., states that the outlook for business could hardly be more favorable. At the fifteen packing points which report there were killed in June 1,800,000 hogs, 270,000 more than in June, 1896. Since the packing season set in, March 1, at these points 6,250,000 hogs have been killed, 600,000 more than in the corresponding four months of 1896.

(Continued on page 36.)

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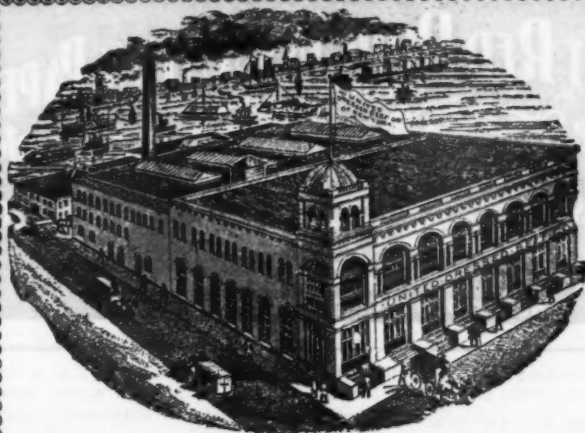
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WANT AND FOR SALE ADS, can be found on PAGE 45.

ICE AND REFRIGERATION.

Those interested in this subject should not forget to look also at Packers' and Slaughterers' Notes, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our **WANT AND FOR SALE COLUMN** on page 45.

Persons in need of an Ice Machine or Refrigerating Appliances should make their wants known to us. Their publication in this column which is perused by the leading ice machine manufacturers in the country would bring scores of replies.

—An ice plant is to be erected in Fort Mojave, Cal. Mr. McKoin, in that place, can probably give particulars.

—There is talk of erecting an ice factory in Aguascalientes, Mex., by a Los Angeles, Cal., man whose name is unlearned.

—Articles incorporating the Ice Distributing Company, in Louisville, Ky., have been filed. The incorporators are W. T. Hale, C. T. Berryman and W. R. Schmidt. The capital stock is fixed at \$5,000.

—A. J. Whiteside, consulting engineer, is preparing plans for the erection of a 50-ton ice plant for the Mobile Brewery Co. and the Mobile Ice Co., of Mobile, Ala.

—B. G. Worth, Wm. A. French, John S. Armstrong and Wm. E. Worth are the incorporators of the Worth Ice and Fuel Co., which has been organized at Wilmington, N. C. The capital stock is \$100,000.

—The erection of an ice factory in Wilmington, N. C., is contemplated by B. F. Keith, A. J. Marshall, H. G. Saunders and others. It is proposed to organize a \$50,000 stock company.

—For the purpose of erecting a cold storage warehouse and ice factory in Charleston, S. C., Brooklyn capitalists will charter a company with a capital stock of \$100,000.

—Site has been purchased for the erection of a new ice factory, with a capacity of 50 tons, by the Gorrie Ice Co., of Savannah, Ga.

—Contract has been awarded for the erection of an ice plant in Fulton, Ky.

NEPONSET RED ROPE INSULATING PAPER
FOR LINING
Cold Storage Houses **Refrigerators.** **Cars, Etc.**

WATERPROOF, AIR TIGHT, CLEAN, A HIGH NON-CONDUCTOR AND ABSOLUTELY ODORLESS.

TRADE MARK
F.W. BIRD & SON
EAST WALPOLE, MASS.
THIS PAPER IS ACCEPTED BY EXPERTS AS THE STANDARD OF PERFECTION

—The ice plant at Greensburg, Ind., blew up recently, seriously injuring three men.

—Nashville, Tenn., July 11.—Yesterday the grand jury, in pursuance of a recent charge of Judge Anderson, directing an investigation of the alleged formation of an ice trust or combine, returned in the court indictments against nine of the leading ice manufacturers and dealers in the city, charging them with having formed a trust or combination to control the supply and advance the price of ice. Nearly all were at once arrested and gave bonds. The others will do so to-morrow.

—The directors of the Consolidated Ice Company, New York, have declared a dividend of 6 per cent. on the preferred stock, for the year ending July 1, payable Aug. 14. Hereafter the dividend is to be paid semi-annually in January and July.

—The Peoria (Ill.) Cold Storage Company has been incorporated with a capital stock of \$15,000. The incorporators are W. F. Priebe, F. J. Simater and R. A. Petersen.

—Messrs. Bosce, Medairy & Co. have erected at their warehouse, 105 South street, Baltimore, Md., a cold storage plant, with two large refrigerating chambers. The freezing apparatus was put up by the Remington Machine Company, of Wilmington, Del.,

and the chambers will be kept at a temperature of 14 to 15 degrees above zero by means of an eighteen horse-power gasoline engine.

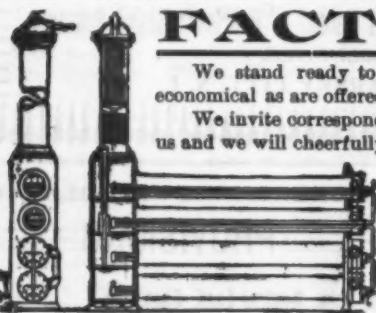
—Penberthy, Cook & Co. will erect a big cold storage warehouse on their docks at Menominee, Mich.

—The plant of the City Ice Company, in Augusta, Ga., is being doubled. When completed its capacity will be about 110 tons of ice daily, twice its present manufacturing ability.

—The E. P. Allis Company, of Milwaukee, Wis., recently closed a contract for six 1,000 horse-power Corliss engines, to be used in the underground street railway system of London. This firm has also secured the contract to furnish four of the same power engines for the Government tramway at Sydney, Australia. The Allis Company is to be congratulated upon the securing of such desirable and apparently profitable business.

—Charles Kappler, of Etna, Cal., has completed his ice plant.

—Judge Parlange, in New Orleans, has issued a writ of sequestration in the case of Frick & Co. against the Carrollton Ice Manufacturing Company in a suit for \$6,974.19, relative to an engine, etc., sold to the ice company. Chief Deputy Marshal Alcee LeBlanc seized the ice plant and has put a keeper there, and will continue the operation of the plant until it is disposed of.



GENERATOR—Pat. Jan. 24, 1888, and Sept. 23, 1890.

Write for Prices.

FACTS.

All Ice Manufacturers know that there are inferior Ice and Refrigerating Machines built.

We stand ready to challenge any builders to show that our machines are as efficient and economical as are offered in the market.

We invite correspondence. Should any contemplative purchasers wish any information, write us and we will cheerfully give it our prompt attention and send illustrated catalogue.

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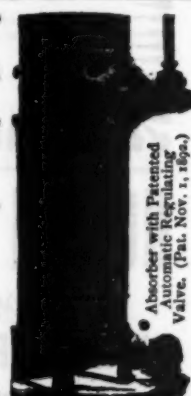
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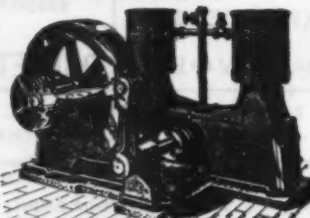
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AWARD.

For production of Anhydrous Ammonia Compressors for refrigerating purposes, of First-Class Efficiency, Durability, Design, Workmanship and Finish, having a pair of vertical double-acting compressing cylinders, operating from two cranks driven by a horizontal double-acting steam engine, occupying a minimum floor space for given capacity, with automatic devices for circulating oil through the compressing cylinders for the purpose of securing perfect displacement of gas, of absorbing the heat of compression so as to require no water-jackets.

For first-class design of the ammonia condensing apparatus, involving the use of a special line of pipe-fittings and valves, of superior strength and completeness; for an excellent arrangement of cooling-water distributing surfaces and liquid ammonia collecting pipes, and complete provision for conveniently operating, cleaning and repairing all parts of the system so as to secure steady action under the most economical conditions.

For successful application of the principles of artificial refrigeration, by the direct expansion of ammonia.

For a complete system of constructing Refrigerating Plants and manufacturing specially designed appliances therefor, all of which are undoubtedly the most elaborate and complete fittings for this purpose yet introduced. The exhibitors adhere to the practice of making all pipe joints with screw threads, sealed with a special solder, which is undoubtedly the most secure method of making joints in ammonia work.

Approved.—W. A. JAMES,
Vice-Pres't Departmental Com.

(Signed) J. E. DENTON,
Individual Judge.

Approved.—JOHN BOYD THACHER,
N. H. Chairman Executive
Committee on Awards.

WE BUILD THE MOST SUBSTANTIAL AND DURABLE MACHINES AND PLANTS FOR REFRIGERATION
AND ICE-MAKING MADE IN THE WORLD. THE RECORD MADE BY OUR PLANTS IN OPERATION IS A PROOF
OF THIS FACT.

WE MAKE NO GUARANTEES WE CANNOT FULFILL.

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PACKING HOUSE NOTES.

(Continued from page 32.)

* "The establishment of the great Armour meat packing plant at South Omaha," says the Omaha Bee, "should be but the forerunner of additional factories to work up the by-products of the cattle slaughtering industry. There is no good reason why the hides of animals killed at South Omaha should not be tanned here and the leather transformed here into the finished product. The same is true with reference to a dozen other raw materials. The investors who take advantage of these opportunities for profitable manufacturing enterprises are sure to read rich returns."

* Ephraim Moshier, a buyer at Sioux City for the Plankinton Packing Company, was drowned in that city while in bathing.

Dallas, Texas, July 14.—George B. Loving & Co., of Fort Worth and Dallas, to-day announced the sale of the Montana Ranch and cattle to Harris Franklin, of Deadwood, S. D. The herd is estimated to number 25,000 head. This transaction approximates about \$700,000. Gibson and Parkman, of Wagoner, Indian Territory, have bought the cattle and ranch of McCutcheon Brothers for \$200,000. These two transactions are the heaviest in the Texas cattle trade for fifteen years.

* For probably the first time in the history of Oregon a lot of corn fed hogs has been imported from Nebraska. The Union Meat Company, finding it impossible to obtain enough hogs in Oregon, was obliged to import some 1,500 from Nebraska, which arrived recently and were immediately converted into bacon, hams, etc., at their packing houses.

* Nelson Morris & Co. will have a new building on Depot street in Pittsfield, Mass., on the site of their present one, for their meat business.

AMONG THE RETAILERS.

The Meriden (Conn.) Retail Butchers' Mutual Protective Association has elected the following delegates to the State convention, which will be held in Norwich, Aug. 8: Maurice O'Brien, C. G. Atkins and A. W. Gardner.

Preparations are being made for holding the Butchers' Barbecue at Schuetzen Park, New Haven, Conn., Aug. 12, and it is expected that this event will exceed in enjoyment that of any previously held.

Dr. J. C. Lehardy, health officer in Savannah, Ga., and the butchers in the public market, are up in arms against each other. The health officer was only recently elected and he introduced several radical reforms in different directions. He has just reached the market, where about 100 butchers do business. In his investigations he condemned a great deal of meat that the butchers declare was good. The meat was burned in a crematorium. The butchers are denouncing the doc-

tor's actions. They have appealed to the chairman of the aldermanic committee on markets to have Dr. Lehardy kept out of the building. One butcher has thrown up his stall rather than be harassed by the health officer, and another declares he will sue for value of meat destroyed at the health officer's direction.

A warrant has been issued in Justice Cliff's court in San Francisco, Cal., on the strength of a complaint sworn to by August Meigs, a butcher, of Berkeley, Cal., charging Dr. H. N. Rowell, health officer of that city, with petit larceny. The case is a test one. The complaint charges the health officer with having stolen 250 lb of meat, worth \$22.50, from the shop of the complainant, and further alleges that a repeated demand for the return of the property or its equivalent in money has never been heeded. Some time ago Dr. Rowell seized certain meats belonging to Miggs which he had reason to believe had been contaminated. There was a wrangle then, and no satisfactory agreement was ever made. The question of law which will be brought into the case involves a nice point. Miggs contends that his meats were carefully chosen, and that he had no opportunity of satisfying himself as to whether or not they were free from disease when the health officer pronounced them unfit for use and threw them out. He will contend that the taking of the meats amounted to nothing more or less than larceny, and that the health officer went far beyond his authority when he invaded his place and took them away forcibly. Miggs says, as far as he can learn, the meats were not absolutely diseased. Should Miggs be able to maintain one of the charges he has brought into his complaint, there will probably be a dozen more such proceedings commenced very soon, and Health Officer Rowell will be many times a defendant. Attorney Grober, who represents Miggs, expresses it as his opinion that there is a strong case against the town official.

NEW MARKETS.

J. M. Thomas, Price, Utah.

Stuart & Farr have opened a butcher shop in Dayton, Ore., on Ferry street.

George Heil will open a meat market about Aug. 1 in Bellaire, Ohio.

Chas. Norton has opened a meat market at Salisbury Beach, Mass.

Aaron H. and Adelbert Smalley have leased the market of Thomas Barter in Tenant's Harbor, Me., and will open a meat market.

W. W. Cain has opened a market in Dardanelle, Ark.

Samuel E. Kurtz has purchased the butchering outfit in Denver, Pa., formerly owned by T. F. Balthaser, and will embark in the butchering business.

Ira Doolin, Enosburg Falls, Vt.

Fred Stumbo, Marble, Col.

George Saaroay & Co., Spring Valley, N. Y.

Charles Hengen has opened stall 193, Farmers' Market, Norristown, Pa., for the sale of meats, etc.

Val Hubbard has leased the butcher shop and business of E. W. Calley, Springer, N. Mex., for a few months.

Weeks & Dill, Alamosa, Col.

James Robinson and Silas Wright have opened a meat shop in the basement of the Seymore block in Hermon, N. Y.

E. M. Sutherland has again opened the market in Chatham Center, N. Y.

B. Scott, Russell, N. Y.

A. J. Nieman, of San Diego, Cal., will open a butcher shop in Hemet, that State.

J. H. Maloney, Northampton, Mass.

TALLOW, SOAP, GLUE, FERTILIZER AND COTTON OIL TRADE NOTES.

CORRESPONDENTS, SUBSCRIBERS AND OTHERS
SENDING ITEMS FOR THIS COLUMN SHOULD
MAIL THEM SO AS TO REACH THE
EDITOR NOT LATER THAN THURSDAY EVENING.

Tallow-renderers, soap makers, glue manufacturers, fertilizer manufacturers, and cotton oil manufacturers would do well to make known their wants in this column, which would result in their being placed in immediate correspondence with the leading firms interested in these lines who carefully peruse these notes.

Berlin, July 10.—The Boyer Company's world-famed chemical works at Elberfeld, one of the largest German exporters to the United States, have been partially destroyed by fire. All the goods were burned, and the damage done is estimated at 1,250,000 marks.

H. H. Thompson, S. P. Shoter, H. Jensen, J. F. C. Meyers and others have incorporated the Dixie Oil Company, at Atlanta, Ga. The capital stock is \$100,000. The company will refine oil, manufacture barrels, etc.

The Planters' Oil and Mill Company has been organized at Alvarado, Texas, with a capital stock of \$75,000. The incorporators are Winfield Scott, E. B. Harold and Frank A. Smith, all of Fort Worth, Tex.

A \$2,000 two-story brick soap factory building is to be built at East street and Madison avenue, Allegheny, Pa., by G. Halsey & Sons.

Work is progressing on the construction of the oil mill in Victoria, Tex.

C. Obst Odel & Co., Adams, Mass., have commenced the manufacture of toilet, medicinal and tar soaps.

The Columbia Guano Company, of Norfolk, Va., contemplates the early construction of an extensive fertilizer factory.

The stockholders of the Brenham (Tex.) Compress, Oil and Manufacturing Company held a meeting recently and elected the following officers: D. C. Giddings, Jr., president; William E. Dwyer, secretary; D. C. Giddings, treasurer.

The Commercial Guano Company, of Columbus, Ga., is rapidly completing its new factory. The plant will have a daily output of ammoniated guano 200 to 400 tons, and cost \$150,000. James W. Allison, of Savannah, Ga., is president, and John W. Huger, also of Savannah, secretary and treasurer.

CERTIFICATE OF ANALYSIS. Messrs. B. HELLER & Co., Chicago.—We have analyzed and tested your Zanzibar Carbon and have found the same to be free from any injurious substances and also to be well adapted for the purposes for which you recommend it. We therefore do not hesitate to endorse the use of same to the meat and provision trades. Yours very truly,
THE NATIONAL PROVISIONER ANALYTICAL LABORATORY,
Official Chemists to the New York Produce Exchange.
N. E. STURCKE, Ph. D. Chief Chemist.
NEW YORK, AUG. 14TH,
1896.



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FIGURE THIS WAY.

All we want is an opportunity to convince you that it is to your advantage to use Zanzibar Carbon, and kindly ask you to write for Sample, Catalogue and Price List. Those who have tested Zanzibar Carbon, prefer it to all other coloring matter.

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Sample and 50 page book on coloring meats and sausages, FREE.



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Gansevoort Beef Co., 22 and 24 10th ave.
Washington Market Sheep Co., W. Washington Market.
Swift Provision Co., Cor. 13th st. and 10th ave.
G. F. Swift & Co., Manhattan Market (W. 35th st.).
Swift Sheep & Prov'n Co., 11th ave., 34th and 35th sts.

BROOKLYN.

Swift Brothers, 182 and 184 Fort Greene place.
Fort Greene Sheep Co., 172 Fort Greene place.

Swift Brothers, Wallabout Market.

JERSEY CITY.

Swift and Company, Ninth Street Market, 138 9th st. Swift and Company, Wayne Street Market.

North River Beef Co., Foot W. 39th st.
Riverside Beef Co., 130th st. and 12th ave.
Swift Bros., Morrisania, 769 and 771 Westchester ave.
Harlem Beef Co., Foot East 127th st.
Murray Hill Beef Co., Foot East 31st st.
Centre Market Beef Co., Cor. Centre and Grand sts.

Williamsburgh Beef Co., 100 and 102 N. 6th st.
Brooklyn Beef Co., 74 and 76 Atlantic ave.

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Packers of REX BRAND

PROVISIONS, CANNED GOODS AND BEEF EXTRACT.

SHIPPERS OF CHOICE

Dressed Beef, Hogs, Sheep, Calves, Beef and Pork Cuts and all kinds of Tripe and Sausages.

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" " " " Clinton Market, "
" " " " Worcester, Mass.
" " " " Fall River, "
" " " " Pittsburg, Pa.
Holmes' Provision Co., Holyoke, Mass.
Nashua Beef Co., Nashua, "
Lee & Hoyt, " New Haven, Conn.
McElroy Bros., " Bridgeport, "
Omaha Beef Co., " Danbury, "
Waterbury Beef Co., " Waterbury, "
W. W. Coates & Co., " Providence, R. I.
A. H. Warthman Co., " Philadelphia, Pa.

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Sell your calfskins to us. We divide all profits to stockholders. No other dealers do this.

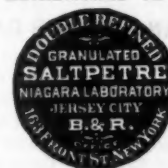
Our wagons call at your place for calfskins.

Try a LITTLE AD. on Page 45.

Battelle & Renwick,

163 FRONT STREET, NEW YORK.

ESTABLISHED 1840.



MANUFACTURERS OF

REFINED SALTPETRE.

CRYSTALS,
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ANNUAL SUBSCRIPTION

ONLY \$4.00 FOR 52 WEEKLY ISSUES
FOREIGN, \$5.00.

The Tinsley & Co. Fertilizer Company, of Richmond, Va., has purchased thirty acres of land at West Nashville, Tenn., and will erect a \$100,000 fertilizer factory.

The Kaufman Cotton Oil Company, capital \$10,000, has been chartered to build an oil mill at Kaufman, Tex. A. E. Carlisle, George D. Fuller and others are interested.

The annual meeting of the Truth Soap Company, Warren, Pa., resulted in the election of the following officers: Chairman, T. B. Westgate, of Titusville; treasurer, E. H. Beardsley, New York; secretary, J. L. Beardsley, and superintendent, J. M. Lytle, of Warren.

A \$6,000 addition is to be made to the soap factory of P. C. Tomson & Co., at 938 and 940 Swanson street, Philadelphia.

Incorporated: Savonoid Manufacturing Co., of New York City, to manufacture soap; capital, \$15,000. Directors, Herbert E. Plasse, James V. Falvey, Francis W. Elder.

A new factory in Cordele, Ga., in addition to the one already in operation there, will be erected by the Southern Fertilizer Works of Savannah and Atlanta. The new factory will have a capacity of 12,000 tons, an increase of 7,000 tons over the present Cordele plant, and will cost \$20,000.

Additional machinery will be placed and the building enlarged of the Sumter Cotton Oil Co., of Sumter, S. C.

Site has been secured by the Tennessee Chemical Co., of Nashville, Tenn., for the erection of a fertilizer plant. The company will apply for a charter at once. The incorporators are T. G. Tinsley, president, and A. D. Ledoux, vice-president and secretary. The capacity of the plant per year is to be 50,000 tons.

Seguin, Texas, July 11.—The National Oil Company is making the fur fly on their mill here. Nearly 100 hands are employed and the Southern Pacific has finished the switches. The mill when erected will be one of the finest in the State, only the newest machinery being used. The investment is \$100,000, and the capacity 100 tons daily. The weekly pay roll will be \$1,200.

NEW OCEAN LINE FOR GALVESTON.

Galveston is to have another transatlantic line of steamers. It will be known as the Texas-Hanseatic Line, and will have a fleet of eight first-class ships, which will ply between Galveston and Hamburg and between Galveston and Bremen. There will be a sailing each month from Hamburg and Bremen for Galveston, and two sailings a month from Galveston, one for Hamburg and one for Bremen. The new line will be put on as a result of the efforts of Mr. Jens Moller of Galveston. The service will be inaugurated on Aug. 1 by the steamship Eiffel Tower, 3,187 tons, sailing from Hamburg on that date. The steamship Cotehele, 2,681 tons, is due to arrive in Galveston on Sept. 15. The Powderham, 3,019 tons, is due on Oct. 1, the Endsleigh, 2,306 tons, is due on Oct. 15, and the Mariastow, 2,385 tons, on Nov. 1. The ships will engage in the freight business only. J. Moller will handle the business at the Galveston end of the line.

RECENT PATENTS AND TRADE-MARKS.

586,403.—Meat Shaver. Caleb B. Turner, Brooklyn, N. Y., assignor to Kate E. Turner, same place.

586,353. Oil Cake Former. Thomas De Armon, Dayton, Ohio.

586,231. Soap. Edward S. Boynton, Brooklyn, N. Y., assignor to the Boynton Soap Process Company, of New York.

586,098. Refrigerator Door. Fred M. Keith, Boston, Mass.

BUSINESS CHANGES.

Emperius Bros. have sold their market in Alamosa, Cal.

The market of Henry Staub, Denver, Col., has been sold to creditors.

Mrs. Hattie Gaines has sold her meat market in Tariffville, Conn.

E. Schoenberger, of E. Schoenberger & Son, meats, New Haven, Conn., has given a real estate mortgage for \$6,000.

A real estate mortgage of \$5,000 has been given by J. F. Sherfele, meats, New Haven, Conn.

H. Russ, ice, etc., West Haven, Conn., has given a real estate mortgage of \$800.

R. F. Lange, butter, Chicago, has discontinued business.

Jacob Binder, market, Aurora, Ill., has given a warranty deed for \$10,500.

Wilbur F. Murphy, groceries and market, Chicago, has assigned.

P. C. & C. Herbig, butchers, Oskaloosa, Ia., have assigned.

Freeman Kenney, butcher, Deering, Me., has mortgaged real estate for \$1,000.

Samuel Ferst, retail provisioner, Boston, Mass., has filed a voluntary petition in insolvency.

A mortgage of \$454 against Aaron Robinson, provisions, Boston, has been discharged.

A real estate mortgage for \$500 has been given by Aaron B. Dodge, provisions, Brocton, Mass.

James H. Eggleston, meat, Leeds, Mass., has given a chattel mortgage for \$400.

Thomas Hull, provisions, Medford, Mass., has mortgaged real estate for \$1,000.

The plant of the Greensburg (Pa.) Ice and Coal Co., Ltd., was damaged by an explosion.

Judgments aggregating \$1,384 have been secured against August Hoffman, refrigerators, Philadelphia.

NEW YORK PRODUCE EXCHANGE NOTES.

Membership tickets are quoted at \$200.

The following gentlemen are proposed for membership: F. O. Shane, of the firm of Shane Bros., proposed by Geo. Weiden; Bernard De Gregori, of De Gregori & Co., by Chas. B. Tainter, and George J. Dangler, with Jacob Dangler, Brooklyn, provisions, by John B. Spring.

Among the visitors to the floor during the week we noticed the following gentlemen: W. O. McCaw, Macon, Ga.; Edward Karow and W. G. Cann, Savannah, Ga.; Jno. Savoy, Memphis; F. B. Godfrey, Minneapolis; H. V. Schultz, Chicago; Wm. Cowen, Kansas City, and J. S. Rodgers, Toledo.

FOREIGN NOTES OF INTEREST.

The Mid-Norfolk (England) Bacon and Butter Company (Limited), has been formed with a capital of £5,000 in £1 shares. The company has been formed to acquire the bacon factory at North Elmham, lately carried on by the Norfolk Bacon Factory Company (Limited), and to add a creamery thereto. The present factory is fully equipped and furnished, and capable of dealing with 250 hogs per week. The directors are: John Rolfe (chairman), of Wymondham; Mr. Henry S. Kingston, of East Dereham; Mr. William Crane of Great Fransham; Mr. William H. Riches, of Swanton Morley; Mr. Henry Malden, of East Dereham; Mr. Henry Leech, of East Dereham; Mr. Robert E. Horne, of East Dereham, and Mr. Thomas Cranmer, of East Dereham, all of whom are connected with the trade.

Weighing cattle alive is fast coming into favor in Scotland; 29 per cent of the cattle in the markets there are weighed alive, against 3½ per cent. in England.

TO CLEAN MACHINERY.

The most simple and efficacious method of thoroughly cleaning the various parts of machinery that have become gummed and dirty by use of fat oils for lubricating purposes is as follows: Make a strong soda lye by taking for each one thousand parts by weight of caustic soda, or one hundred parts of ordinary soda; this solution to be allowed to boil and enter the parts to be cleansed, for this purpose either boiling them in lye or having them steep in it for some time. In this manner all the dirt and oil resin are completely dissolved, it only remaining to rinse and dry the parts treated. The action of the lye, under these circumstances, is such that it enters into combination with the oil and forms a soap, which is readily soluble in water. In order to prevent any hardening of the lubricant on the machinery parts, it is only necessary to add about one-third kerosene.—Ex.

The constant drop of water wears away the hardest stone;
The constant gnaw of Towser masticates the toughest bone;
The constant cooing lover carries off the blushing maid,
And the constant advertiser is the one who gets the trade.

TO BUTCHERS.

Butchers cannot fail to be interested in Page's Quotations for Calf Skins, which appear on page 8.

P. DONAHUE & SON,

Highest Prices Paid for

HIDES, FAT AND SKINS,

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SEND OFFERS TO
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Best Spices, Saltpetre and Potato Flour.

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WELLINGTON

Supplementary Reports.

PROVISIONS AND LARD.

(Continued from page 19.)

Thursday's markets opened 10c. higher on pork, in Chicago, on 9,000 less hogs than estimated, or 21,000 against 30,000, and only 8,000 at Kansas City and 3,000 at Omaha, while the packing West for the week showed a further falling off to 330,000 hogs, against the small total of 240,000 last year. But at the advance, Cudahy brokers and packers sold freely, and broke prices back 7½c. to recover 5c. and close 7½c. up for the day, with some good buying at the decline by commission houses and shorts. Lard opened 5c. up, lost it and recovered 2½c. on the same influence, with fair trading in all the speculative staples. Ribs opened 7½ higher, lost 5 and recovered 2½, closing 5 up for the day, and lard 2½. But it is reported from the West that holders are selling cash lard to exporters, who will ship it out of the country, at quite material concessions under spot quotations, and two or three small-sized lots had been taken, on cut rates of freight for through shipment to the Continent, within a day or two. Cash lard in New York was held 2½ to 5 higher at 4.10@4.15, while Liverpool shippers were bidding 4.15 c. i. f. Liverpool from the West, with the prospect of some business, for the English markets. Tanks were held at 3.75, and finally at 3.80, with some business done early at lower figures, from outside points, but the amount was not reported. 120 tierces of city lard sold at 3.65@3.70 for refining; 150 barrels pork at the previous decline, and 3,000 or 4,000 pieces of city pickled hams and shoulders at unchanged quotations. There was nothing reported doing at the West, for English markets in meat, though Kansas City and Omaha report an active cash demand, coming from the winter wheat belt, where harvesting is in active process. Outside of this, and a better inquiry for export lard, there was no improvement in cash demand. Hogs in New York were ½ higher on extreme scarcity. No demand was reported for export or from outside for bellies, and prices were unchanged, though mostly nominal. The Canadian longs were reported to be liquidating both ribs and lard, as well as pork in Chicago, while the Chicago Packing Company was also a free seller, as well as Cudahy's brokers. Export of cattle and hogs for June increased over last year 134,000 head, and for the year 1,300,002. The trans-Missouri live stock movement for the first week of July increased 120 cars, gauged by the receipts of the Kansas City stock yards, which were 1,860 cars against 1,741 the same week last year. The weakness in corn, owing to improved crop prospects following late last week's rains through the belt, helped weaken provisions and caused pretty general liquidation in Chicago.

Friday's markets were strong, active and higher on 4,000 deficit in receipts at Chicago compared with estimates, making 24,000 deficit at that point in three days in succession, which set shorts coming, helped by the strength in wheat, to close at the best prices of the day after a temporary weakness at noon on the continued selling of packers. Pork opened unchanged, advanced 7½, lost, and recovered it again, closing 7½ up for day. Lard, the strongest article on the list, opened 2½ up, gained 5 more, lost 2½, to advance 12½ near the close on active buying by shorts, to close 2½ off top and 15 up for the day. Ribs opened 5 up, gained 2½ more, lost 5, recovered, lost and recovered it, closing 7½ up per day. City bellies active and

higher; 2 cars 12-lb ribs selling for Pennsylvania at 5½ and bid, 6 asked; 6½ and bid for 10 lb, and 6½ asked; 5½ for 14 lb, 7½ for smoking, with more doing and light production; 1 car 18-lb S. P. hams (Western), 7½, cost and freight N. Y.; 1 car 12-lb do., 8½, c. i. f., N. Y. Other staples dull and steady for lard and shoulders. Easy for hams.

Closing New York prices were: Lard—July, 4.20c.; cash Western, in tierces, 4.20@4.25c.; tanks, 3.75c. nominal; city, 3.70@3.75c. for refining grade; do. iron-bound, 4.80c. Refined Continent, 4.45c.; South American, 4.80c.; Brazil, in kegs, 6c.; compound, 3½@4c. for city and 4@4½c. for Western; neutral, 5c. West and 5½c. New York; 20@31 florins as to brand in Rotterdam.

Pork.—Mess, \$8@8.50; new, \$8.75@9.25; clear, \$8.50@10.50; family, \$9.00@9.75.

Beef Products were quiet and without change or feature reported here or West, and very little business. City pickled shoulders, 5@5½c.; pickled hams, 8½@9c.; 9-lb rib bellies, 6½c.; 10-lb rib bellies, 6¼@6½c.; 12-lb rib bellies, 5½@6c.; 14-lb, 5½@5¾c. loose; smoking bellies, 7@7¼c.; clear boxed bellies, in pickle, 6c. for Cuba; dry salted do., 6¼c.; Eastern dry salted clear bellies, 6¼c. In Chicago: 16-lb green hams, 7½c.; 14-lb, 7½c.; 12-lb, 8½c.; 16- s. p. hams, nominal; green New York city hams, 8½@8¾c.; green bellies, 5½@6c. for the range.

Beef.—Corned and roast, \$1.00@1.15 for 1-lb cans; 2-lb cans, \$1.90@2.10; 4s, \$3.95; 6s, \$6.25@6.50; 14-lb, \$14; mess, \$7.50@8.00; packet, \$8.00@9.50; family, \$9.00@10.00; extra India mess in tierces, \$12.00@13.50 for both extremes; hams, West, \$22.50; cost and freight, new, here, nominal at \$23; job lots, \$23.50; tongues, \$24.50 for large 6-lb average and \$23@23.50 for small.

TALLOW AND STEARINE.

(Continued from page 12.)

Thursday's markets were mostly nominal, at old figures, 3½ for city, without transactions reported, while there were moderate sales of country at 3½@3¾, the latter being about the top of the market, except for fancy. Some transactions were reported in Chicago at former prices, but no round lots, and nothing for export. In stearine the market was as quiet as in tallow, with prices a little firmer at 4½@4¾, both East and West. But there was a better business done in oleo oil

at Rotterdam, at unchanged prices, a thousand tcs. selling at 38 florins for Modoc, Eastman's and Morris, Extra and Harrison. 37½ for Supreme Extra; 36½ for Monarch and 36 for Brilliant Extra. London sales of Wednesday were only about ¼ of the amount offered in tallow, which was 2,200 caskets at unchanged prices. At the close of the week, pressers of lard oil report the market quiet, with very little home or export demand, shippers being about 1c. under the market and would pay 35 while 36 was asked.

Friday's markets were dull and unchanged, the only sale of city for the week being 175 bbls. delivered on contracts at ½, the best price; no business was reported in oleo stearine East or West. Lard oil closed dull at 35@36c., as the late advance to 36@37 asked with lard has checked trade. There was a fair business at 35c, however, recently.

Closing N. Y. prices Friday: City lard stearine, 5½ cents asked; Western lard stearine about 5½ cents nominal to arrive New York; oleo stearine, city, 4½@4¾c.; yellow grease stearine, 3½ cents; white do, 3¼@3 5-16c.; tallow stearine, nominal; oleo oil, 6½c. for choice, 6c. for prime, 5c. for No. 2 and 3¼@4c. for low grades; at Rotterdam, 36@38 florins; oleo stearine at Chicago, 4½@4¾c.; yellow grease stearine, 3 1-16c.; white do, 3½c. nominal. City tallow, 3½c. in hhds and 3½c. in tierces; country (pkgs free), 3¼@3¾c. for common to fancy; edible, 3½@3¾c. for country and city. Chicago prices: Prime packers, 3 9-16c.; edible, 3½c.; country, 3½c.; No. 2, 2¾@3¾c.; bone and soap, 2½@2¾c. At Chicago: 2.85@2.87½c. for A white, 2½c. for B white, 2¼@2¾c. for yellow, 2@2½c. for brown and 2¼@2½c. for boner.

ANIMAL OILS—WHOLESALE AND JOBBING.

| | Per Gall. |
|--|-----------|
| Lard oil, prime, city, present make..... | 36 a 36 |
| " Western..... | .. a .. |
| Neatsfoot oil, white..... | 60 a 70 |
| " prime..... | 47 a 48 |
| " No. 1..... | 45 a 48 |
| " No. 2..... | 41 a 43 |
| Red saponified..... | 3½ a 3¾ |
| Red Elaine..... | 28 a 32 |
| Tallow oil, prime..... | 35 a 36 |
| Degras, German..... | 13 a 1½ |
| " English, brown..... | 1½ a 2 |
| " light..... | 2½ a 3¾ |
| " French..... | 4¾ a 5¾ |

COTTONSEED OIL.

(Continued from page 18.)

Thursday's market was a small affair, as prices were still above an export basis at N. Y., and home trade was limited. Yet there

HENRY ELLSWORTH & CO., PORK PRODUCT.

Exporters of Provisions, Lard, Oils, Greases, Etc.

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Pork Packing and Curing from A to Z in all the Departments of the Packing-House.—A Book for Life.

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Which is the Most Profitable and Satisfactory to the Packer?—A few Hints Regarding the Handling of Hogs in Hot Weather.—Unloading and Weighing; Hints to Buyers.—Dockages.—Inspection.—Figures for the Country Packer.—To Avoid Sour Meats.—Cost of Handling Hogs in Yards.—Feeding.

Hog Killing.
Driving to Pens.—The Shackler.—Necessity of a Foreman.—Stripping Small Guts.—How to Avoid Destroying Them.—Scarring Guts.—To Avoid Destroying Large Guts.—Expense of Killing.—Men Required for Killing Gang.—The Work of Each Man on the Killing Gang.—Avoid Shoulder Sticking.—Temperature of Water in Scalding Tub.—Hog Scrapers.—The Scientific Portion of Hog Slaughtering.—The Expert Gutter.—The Shaver.—The Gut Bench.—Casings and Guts.—"Dark" and "Off" Color Lard Due to Careless Washing of Guts.—Do not Let Your Fat Go Into the Sewer.—Hog Stomachs.—Leaf Lard.—Tongues.—How to Treat Them.—Temperature.—Dry Shaving.—Proper Handling and After Effects of Poor Handling.—Shrinkage from Live to Dressed Weights.—Hair, Bristles, etc.—Carelessness of Killing Gang.—How to Avoid Losses.—When Water Should Be Used.

Pepsin Manufacture.
What is Pepsin.—Method of Preparation.—Straining and Filtering of Liquid.—Crude Pepsin.—Purified Pepsin.—General Treatment and Drying Process.

The Chill Room.
When to Put In.—Temperature of Room and Hogs.—Reduction of Temperature.—Lowest Temperature Permissible.—How Long to Hang Therein.—Watching the Temperatures.—Proper Insulation of Chillrooms.—Artificial Refrigeration Prevents Sour Meats.—How to Place Brine Tanks.—How to Run the Pipes.—Necessity of Reliable Men in Taking Temperatures.—Closest Attention Necessary.—Necessity of Competent Men.—Advantages of Thorough Mechanics.—Who Should Attend to Insulation.

Cutting of Hogs.
When to Commence Cutting.—Size of Gang.—The Cutting Gang.—The Chopper.—Instruments in Use.—Side Meat Trimmers.—Ribbers.—Backbone Sawers.—Shoulder Trimmers.—Blade Pullers.—Where to Chop the Backbone Out.—Other Men and Boys Necessary.—Cost of Cutting.—Domestic Cuts.—Export Cuts.—Loina.—Wrapping.—Cold Storage.—Treatment During Summer Season.—No Lean Meat to Tanks.—Spareribs.—Backbones.—Neckbones.—Hocks.—What to do With Them.—Short-rib Middle (illustrated).—How to Cut.—English Short-rib Middle (illustrated and explained).—Long Clear Middles (illustrated and explained).—Extra Long Clear Middles (illustrated and explained).—Long-rib Middles (illustrated and explained).—Dum-blerland Middles (illustrated and explained).—Yorkshire Middles (illustrated and explained).—Staffordshire Middles (illustrated and explained).—Dublin Middles.—Stretford Middles.—Birmingham Middles (illustrated and explained).—Short, Clear Sides (illustrated and explained).—Extra Short, Clear Sides (illustrated and explained).—Wiltshire Sides (illustrated and explained).—South Staffordshire Sides (illustrated and explained).—Clear Belly (illustrated and explained).—Rib Belly (illustrated and explained).—Welsh Sides.—Irish-cut Sides.—South Staffordshire Sides.—Clear Bellies.—English.—Rib Bellies.—Picked Clear Bellies.—Short Clear Backs.—English (illustrated).—Short Fat Backs (illustrated).—Picked Clear Backs.—Short-cut Hams (illustrated).—Long-cut Hams (illustrated).—Stafford Hams.—Manchester Hams.—Skinned Hams.—California Hams (illustrated).—Rolled Hams, Bone-

less (illustrated).—Boston Shoulders.—New York Shoulders (illustrated).—Regular Shoulders (illustrated).—Skinned Shoulders.—Rolled Shoulders, Boneless (illustrated).—Mess Pork (illustrated).—Prime Mess Pork (illustrated).—Extra Prime Pork.—Clear Pork (illustrated).—Extra Clear Pork.—Clear Back Pork.—Shoulder Butts.—Lean.—Pork Loina.—Cumberlanda.—Short Ribs.

Fresh Meats.
Tenderloins.—Trimminga.—Spareribs.—The Advantages of Spreading.—What Receptacles to Use to Give Meat a Good Appearance.—What Pieces Must not Be Gotten for Counter Trade.—The Handling of Spareribs, also Fresh and Smoked.—Meat Market Sales.

Hog Tests and Relative Values.
The Value of Tests.—What Percentage to Figure on Live Weight.—What to Figure for Cost of Manufacture.—Shrinkage When Determining Cured Yields.—Conclusion About Cutting of Hogs.
TABLE SHOWING AVERAGE WEIGHTS OF CUTS, MEATS, AND LARD YIELDED BY LIVE HOGS OF 110 TO 450 LB. (This table alone is worth the price of the book to every packer.)

Packing and Shipping Meats.
Sizes of Boxes.—How to Pack.—Eight Sizes.—Materials They Will Contain.—Material Used.—Care to be Taken on the Journey.—How to Store on Board Ship.—Damage Due to Exposure.—Advantages of Having Men at Seaboard.—Cost of Packing Meats.—Average Amount of Salt Used.—How Much Borax to Use.—When to Pack in Borax, and Why.—Allowances for Shrink-Cover Cost of Borax.—Weighing Dry-Salt Meats for Export.—How to Handle Borax Meats and Dry-Salt Meats.—What Methods are Used to Keep Dry-Salt Meats Dry.—Advantages of Tight Boxes.—Points for Exporters.—How to Ascertain Cost and Profit.—Many Other Points of Value.

Points for Shippers of Provisions to England.
Regulations Adopted by the London Provision Trade.—American and Canadian Bacon Landed.—Pork and Hams in Barrels and Cases.—Mess Pork in Barrels of 200 pounds.—Beef in Tierces of 300 pounds.—Allowances and Terms.
Lard.—Bladders.—American Tierces.—Other Packages.—Canned (tinned) Meats.—Rules and Regulations of London Chamber of Commerce.—General Rules for Exporters.—Terms.—Invoices.—Weights.—Agents.

Domestic Packing and Shipping.
How to Pack and Ship: Domestic Meats.—Sweet Pickled Meats.—Green Meats.—Pumping Hams pro and contra.—Lard.—Fresh Meats, Sausages.—Fertilizer.
Tables of No. 1 BOX AVERAGES
Export Meats. No. 2—Tierce Averages at 300 lb. No. 3—Table of Convertible Values for Provision Exports to Great Britain.

Curing.
Elimination of Animal Heat.—Demand for Mild Cured Meats.—Temperatures.—How to Handle a Ham Pump.—Strength of Pickle.—Spread the Meats.—How Long.—What Temperature.—SOME GOOD RECIPES FOR CURING.—How Much Salt, etc., to Use.—Sugar Curing.—Different Formulas and Temperatures.—To Avoid "Ropey Pickle."—How to Get Rid of It.—Rolling.—Repling.—Time for Curing of Different Pieces of Different Weights.—When to Draw the Pickle.—Gain in Curing.—Handling of Tierces After Drawing Pickle.—How to Pile Tierces.—Look Out for Leaks.—CURE FOR TONGUES PACKED IN BARRELS AT 220 POUNDS.—Formula.—Another Formula.—Temperature.—Another Pickle.—A Fourth Formula.—Change of Pickle: When Necessary.—Tongues for Export.—Curing of Hocks and Feet.—The Required Pickle.—Another Method.—Temperature.—Vinegar Pickle.—CURE FOR BELLIES IN

TIERCES.—Formula.—Bellies in Tubs.—Another Formula (also good for California Hams, New York Shoulders, etc.).—First-class Cure for Light Bellies for Breakfast Bacon, No. 1.—How to Handle Meats Under this Formula.—Time Necessary for Curing.—Pickle Tests.—Pickle Tanks.—How Low Pickle May Be Drawn from Tanks.—Look Out for Rats.—Tierces.—What Weight of Different Cuts to Pack into Them.—Barrels.—Half-Barrels.—Kegs.—Gain of Weight in Pickle.—Loss of Strength in Pickle.—Do not Use Old Weak Pickle.—Avoid Pickle Soaked Meats.—How to Keep Brine "Alive."—Roll All Pickled Meats Well.—Maintaining of Temperature.—"Dry" Method of Curing Tierce Meats.—WESTPHALIA HAMS.—Formula and manner of making them fully explained.

American Dry Salt Meats.
Heavy Side Meats.—How to Handle.—How to Salt and Resalt.—Bulk-ing of Meats and Rebulk-ing.—Backs.—Bellies.—Shoulders.—Bulk all Meats Close.—Time Necessary for Curing.—How to Figure and Determine Difference of Treatment Prior to Smoking.—Between Dry-Salted Meats and Sweet Pickled Meats.—Light, Clear Sides, Extra Clear Sides; How to Put Up.—Advantages in Bulk-ing as Clears.—A Tour Through the Cellars of the Country.—What It Discloses.—A Saving to Packers.—Great Possibilities.—Meats for Export.—Handling.—Color.—Use of Saltpeter and Nitrate of Soda.—Difference Between the Use of Saltpeter and Salt.—Acquirement of Color.—How to Sprinkle Saltpeter on Meats.—How to Add Salt.—Use of the Pocket Stick.—Bulk-ing and Rebulk-ing.—How to Place Export Meats in Cellar.—How to Ship Export Salt Meats in Winter.—How in Summer.—How to Handle Meats When Packed in Borax.—How to Obtain Color on Long-Cut Hams.—The Necessity of Tight Boxes and Close Packing.—Shipping of Backs and Bellies.

Smoke Department.
Various Theories in Reference to Best Method of Smoking Refuted.—Cold Smoking.—Quick Smoking.—What is Necessary in Order to Make Meats Which Will Stand Handling.—How to Fill the Smoke-House.—What Precautions to Take.—What Kind of Fire.—How Long.—Let Your House Cool Off.—What Wood to Use.—About the Use of Sawdust.—What to Use to Give the Meat Better Appearance, and to Prevent Fumes from Touching It.—Washed Meats.—Temperature of Water.—What to Mix With It.—What the Striker Has to Do.—Usages in the British Islands.—Meat-Washing Machines.—Appetizing Meats in Bacon Shops in England.—To Make them Look So.—Room for Improvement in the Handling of Smoked Meats.—Improved Methods Compared to Former Years.—Smoking in Summer.—Do not Handle Meats Any More than Necessary.—Why.—Several Good Points.—About Handling Before Canvassing.—The Use of Borax Before Packing.—Advantages of Parchment Paper Over Straw Paper.—Canvas and Yellow Wash.—How to Yellow Wash 2,500 Hams.—What to Use.—Protection of Smoke-House and Canvassing Room.—Ventilators, Doors and Windows.
PICKLE CURED MEATS.—How Long to Soak in Winter.—In Summer.—For Detailed.
DRY-SALT CURED MEATS.—How Long to Soak in Winter.—In Summer.—Fully Detailed.—Shorter Time with Running Water.—Putting Meats in Soak Vats.—How Full the Vats Ought to Be.—Advantages of Creating a Current.—Most Economical Arrangement for Soaking Meats.—Detailed and Explained.

Sausage Department.
Advantages of Such Department in a Packing House.—Cleanliness.—A Number of Sausage Recipes.—Fully Explained.—Pork Sausage.—Bologna.—Liver Sausage.—Head-cheese.—Tongue Sausage.—Summer

Sausage.—Beef Sausage.—German Bologna Sausage.—Ham, Chicken and Tongue Sausage.—Oxford Sausage.—Frankfort Sausage.—Roast-wurst.

Tank Department.
Importance of this Department.—Description of Tanks and Capacity.—Size of Manholes.—Location of Same and Water Pipes and Lard Cocks.—How to Set Up a Tank.—To Avoid Loss of Life and Property.—Operation of Tanks.—How to Fill and When.—What to Do When Tank Gets "Flushed" in Cooking.—How Long to Cook.—How Much Time to Settle.—The Use of Salt in Tank.—Drawing to Cooler.—Pumping Through Filter Press of Separator.—Necessity for Quicker Cooling.—Difference in Temperatures Between Lard Drawn to Tierces and Lard Drawn to Tins.—How to Facilitate the Draining of Tank Water.—Cleaning of Coolers.—Vats and Catch Basins.—Making of "Stick."—Pressing Refuse from Tank Water.—Savings Lard from Tank Water.—What to Do With Residue.—Tight and Open Jacket Kettles.—How to Operate Each of Them.—How Long to Cook, and Under Which Pressure.—The Use of the Haasher and Agitator.—Neutral Lard.—How and Where it is Made.
PRIME STEAM LARD.—What It Should Be Made of, and How Rendered.—"Killing" and "Cutting" Lard.—How to Mix.—Wash Your Gut Lard.—Which Agent to Use in Bleaching and Purifying Rejected Lard.—In Which Proportion.—How to Recook Same.—Another Method.—Another Recipe.—Kettle-Rendered Lard.—Neutral Lard.—Kettle-Rendered Lard.—How to Make It.—Stearine Tests.—Yield of Lard Pressed for Oil.—Refined or Compound Lard.—What It is Composed Of.—Method of Manufacture.—White Grease.—Brown and Yellow Grease.—Pig's Feet.—Their Utilization as White Grease, if Not Used for Glue Stock.—Where the Grease Can Be Used.—THE MELTING POINT OF LARD.—An interesting Article on the Subject.—The Melting Point no Indication of Purity.—Methods of Determining It.—Difference of Melting Points of the Different Parts of the Animal.—Difference in Prime Steam Lard and Jacket Kettle Lard.—Disadvantages of Trying to Get Too Much of a Yield.—To Avoid Dark Colored Lard.

Gut and Casings Department.
Its Importance.—What is Paid by Dealers to Packers.—Variation of Prices.—Handling of No. 1 Guts.—Percentage of Good Guts.—Advantage of Handling Guts in the Packing House.—Handling of Bung Guts.—Salting, Drying, Packing.—Points of Interest.
CASINGS.—Sorting, Cleaning, Salting.—Quantity of Salt Allowed.—Yield per Hog.—Calculating Profits for Casings Department, 4 Months' Killing, 2 Examples.—Advantages to the Packer.

Fertilizer Department.
Dried Blood.—Concentrated Tankage or "Stick."—Percentage of Phosphate, Moisture and Ammonia.—Sample Analysis of Dried Blood, Concentrated Tankage.—No. 1 Ground Tankage.—Raw Bone Meal.—Ground Steam Bone.—Value of Dried Blood as a Fertilizer per Unit and per Ton.—Concentrated Tankage No. 2.—Ground Tankage.—How Manufactured, and What It Contains.—Raw Bone Meal.—Ground Steam Bone.

IN ADDITION to the above there are 7,000 NAMES of the following branches of the trade, wholesale trade, only:
Pork and Beef Packers.—Wholesale Butchers and Slaughterers.—Wholesale Dealers in Meats.—Wholesale Provision Dealers.—Lard Renderers and Refiners.—Oleomargarine and Butterine Manufacturers.—Tallow Renderers and Dealers.—Provision Brokers and Commission Merchants.—Cotton-Seed Oil Manufacturers and Refiners.—Sausage Manufacturers (Wholesale and Retail).—Fertilizer Manufacturers and Dealers.—Soap and Candle Makers.

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were export orders in the market at 24c., while 200 bbls. were sold as high as 25 to the local trade, the highest price yet. But the chief holders of stocks refuse to accept late prices, while ocean freights favor New Orleans as an export market, and there were rumors of business there for shipment. Further than this, there was no news and no business reported for the day.

Friday's markets were dull and unchanged here, at an advanced quotation for week, with a fair jobbing trade only reported. But there was business at the South, both in crude and refined, 13 cars of the former being reported, without particulars, while there was said to be export business at New Orleans at a little under the N. Y. basis on low ocean freights from there. Closing N. Y. prices were:

| | | |
|---|--------|----------|
| Cottonseed, crude, nominal, scarce..... | a | |
| " " loose, f.o.b. mills..... | 16 | a 16 1/2 |
| " " Summer yellow, prime..... | 24 1/2 | a 25 |
| " " " offgrade..... | 23 1/2 | a 24 |
| " " Yellow, better grades..... | 25 | a 26 |
| " " White, prime..... | 27 | a 28 |
| " " Yellow, Winter..... | 29 | a 30 |

PORK PACKING.

Special reports show the number of hogs packed since March 1 at undermentioned places, compared with last year, as follows:

| March 1 to July 14— | 1897. | 1896. |
|-------------------------|-----------|-----------|
| Chicago &..... | 2,360,000 | 2,065,000 |
| Kansas City..... | 1,142,000 | 900,000 |
| Omaha..... | 608,000 | 462,000 |
| St. Louis..... | 405,000 | 425,000 |
| Indianapolis..... | 333,000 | 319,000 |
| Cincinnati..... | 225,000 | 214,000 |
| Milwaukee, Wis..... | 121,500 | 125,000 |
| Cudahy, Wis..... | 184,300 | 150,000 |
| Cleveland, Ohio..... | 202,000 | 153,000 |
| Ottumwa, Ia..... | 213,000 | 152,500 |
| Cedar Rapids, Ia..... | 161,500 | 118,200 |
| Sioux City, Iowa..... | 100,000 | 83,000 |
| St. Joseph, Mo..... | 132,700 | 85,500 |
| Louisville, Ky..... | 116,000 | 86,000 |
| Keokuk, Iowa..... | 40,800 | 36,300 |
| Bloomington, Ill..... | 27,400 | 10,700 |
| Nebraska City, Neb..... | 87,300 | 73,000 |

—Price Current.

LIVERPOOL QUOTATIONS.

Liverpool, July 16—3:45 p. m.—Beef—Extra India mess dull, 53s. 9d.; prime mess dull, 45s. Pork—Prime mess fine Western dull, 45s.; prime mess medium Western, dull, 42s. 6d. Hams—Short cut, 14 to 16 lbs., dull, 38s. Bacon—Cumberland cut, 28 to 30 lbs., easy, 25s. 6d.; short rib, 20 to 24 lbs., steady, 26s. long clear middles, light, 35 to 38 lbs., steady 25s. 6d.; long clear middles heavy, 40 to 45 lbs., steady, 24s. 6d.; short clear middles heavy, 45 to 50 lbs., steady, 24s. 6d.; clear bellies, 12 to 14 lbs., firm, 25s. Shoulders—Square—12 to 14 lbs., steady, 25s. Lard—Spot firm, 20s. 3d. Cheese—American finest white and colored dull, 40s. Tallow—Prime city steady, 17s. 3d. Cottonseed oil—Liverpool refined steady, 15s. 9d.

AN INDELIBLE MEAT MARKER.

A syndicate has been established at Wellington to place on the English market an indelible meat marker, which will have the effect of preventing other frozen mutton being sold as that from New Zealand. The invention consists of a combination of cutting instruments, by which "N. Z." may be marked all over the carcass, while at the same time the initials of the exporter may be also stamped. Every joint may thus be marked, and as the mark is made before rigor mortis the advantage is that while perfectly indelible it does not have any injurious effect on the meat or the appearance of the carcass. It is proposed to work the invention by charging a royalty or to sell it to any Government.—London Meat Trades' Journal.

NOTICE.

For some unaccountable reason our weekly review of the Kansas City live stock and hide markets failed to reach us for this issue.

CAKE AND MEAL.

Prices for cake and meal are steady and unchanged in New Orleans. Cottonseed meal, jobbing per carload at depot, \$18.50 to \$18.75 per short ton of 2,000 lb; for export per long ton of 2,240 lb f. o. b., \$20 to \$20.50; oil cakes for export, \$20 to \$20.25 per long ton f. o. b.

A cattle export company is being formed in Galveston, Texas. Texas is a great State, and is growing greater every day.

Our congratulations to Chicago. The great city by the lake opens an exposition of home products in September which, although not to be conducted on quite as large a scale as the world's fair, will demonstrate what Chicago can do in the way of home products. We are glad to hear that applications for space are coming in as rapidly as the most sanguine could expect.

War, war, and rumors of war has been the feature of the past week. This thing has grown somewhat like the old story of the boy and the wolf, and war talk has become so frequent that it is no longer a factor in market conditions. The markets will probably turn when the first gun is fired. "Our thoughts, we must confess, are turned on peace," but the aggressive prattle of some people on this continent would lead many to believe that Uncle Sam is "spoiling" for a fight, and perpetually carries a good-sized chip on his shoulder. John Bull is giving us some back talk now; so is Japan, and as for Spain, why, she has been sulking for some time.

We are pleased to note that a movement to expedite the dispatch of foreign mail from this country to Europe, and vice versa, is on hand, and that important improvements have been ordered by the Post Office authorities. Business between the two continents is now so great that even the difference of a saving of a few hours means a great deal. If our friends abroad, particularly in Continental Europe, have any suggestions to make to our friends on this side regarding mailing arrangement, and what is best to be done to insure prompt and rapid connection via the mails between the two countries, the columns of this paper are open to them for that purpose.

NO, NOT HE.

A printer doesn't rush to the doctor when he is out of "sorts." Nor to the baker when he is out of "pi." Nor to hell when he wants the "devil." Nor to the Bible when he wants a good "rule." Nor to the gun shop when he wants a "shooting stick." Nor to a cabinet shop when he wants "furniture." Nor to a bank when he wants "quoins." Nor to a girl when he wants a "press." Nor to a lawyer when he has a "dirty case." Nor to a butcher when he wants "fat." Nor to a pump when he's dry—and has ten cents in his pocket.—Ex.

A mild-mannered gentleman who was rash enough to marry a "new woman" has adopted a curious formula. When answering invitations or making appointments, he puts the letters "W. P." in the corner of his communication. They mean, "Wife Permitting."

The Forbes Indexed Coupon Book is convenient because the index always shows down to the last one in the book, the coupon wanted, and safe because it cannot be tampered with. Free samples; ask for them. See ad.

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NEW YORK MARKETS.

OCEAN FREIGHTS.

Berth room continues in steady demand and rates to all ports are decidedly strong on the recent advance. Cotton oil rates to Mar-seilles are 3s. 6d. per barrel. The advance has checked the volume of exports in this line considerably from this port, new Orleans having the advantage. The following prices are quoted to Liverpool with the usual increase to other ports: oil cake, per ton, 10s.; bacon, per ton, 10s.; lard (tea.) per ton, 10s.; cheese, per ton, 25s.; butter, per ton, 30s.; tallow, per ton, 9s.; leather, per ton, 25s.; beef, per tierce, 2s.; pork, per bbl., 1s. 6d.

LIVE CATTLE.

Weekly receipts:

| | Beef. | Cows. | Calves. | Sheep. | Hogs. |
|--------------------------|--------|-------|---------|--------|--------|
| Jersey City..... | 3,291 | 2,466 | 3,113 | 7,582 | |
| Statish St..... | 3,914 | 103 | 5,414 | 2,810 | 28 |
| Fortieth St..... | | | | | 16,333 |
| Hoboken..... | 2,618 | 42 | | 1,486 | |
| Lehigh Val. & R. 1,373 | | 61 | | 2,488 | |
| Scattering..... | | 123 | 138 | | |
| Totals..... | 11,197 | 145 | 8,067 | 35,566 | 26,429 |
| Totals last week, 10,476 | 198 | 9,047 | 44,946 | 28,326 | |

Weekly shipments:

| | Live Cattle. | Live Sheep. | Quar. Beef. |
|-----------------------------------|--------------|-------------|-------------|
| Eastman Company..... | | | 3,880 |
| D. H. Sherman..... | | | 892 |
| Swift & Company..... | | | 1,774 |
| Nelson Morris..... | | | 4,500 |
| Schwartzschild & Sulzberger 1,373 | | | 2,491 |
| J. Shambert & Son..... | 1,322 | | |
| Pritchard, Moore & Co..... | 119 | | |
| L. S. Dillenback..... | 48 | | |
| Hume & Mullen..... | 10 | | |
| Total shipments..... | 2,813 | 55 | 13,537 |
| Total shipments last week..... | 2,973 | 1,213 | 12,233 |
| Boston..... | 4,073 | | 11,301 |
| Baltimore..... | 501 | | |
| Philad'a..... | 629 | | 1,110 |
| Montreal..... | 5,141 | | 4,003 |
| Newport News..... | 352 | | |
| To London..... | 5,282 | 1,866 | 4,339 |
| To Liverpool..... | 5,411 | 1,466 | 18,477 |
| To Bristol..... | 485 | | |
| To Glasgow..... | 1,151 | 36 | |
| To Hull..... | 250 | | |
| To Southampton..... | | | 3,132 |
| To Manchester..... | 745 | 697 | |
| To Newcastle..... | 215 | | |
| To Bermuda and West Indies | | 55 | |
| Totals to all p. rts..... | 13,546 | 4,060 | 28,948 |
| " " last week 11,788 | | 7,750 | 23,648 |

QUOTATIONS FOR BEEVES.

| | |
|---|-------------|
| Good to choice native steers..... | 4 90 a 5 25 |
| Medium to fair native steers..... | 4 60 a 4 85 |
| Common native steers..... | 4 00 a 4 50 |
| Stags and Oxen..... | 2 50 a 4 50 |
| Bulls and dry cows..... | 2 00 a 3 50 |
| Good to prime native steers one year ago..... | 4 80 a 5 00 |

DRESSED BEEF.

A decided lower tendency is the tone of the market during the week, with a possibility of $\frac{1}{4}$ c. decline in the course of a day or two, but at the time of going to press we quote at below:

| | |
|--|---------------|
| Choice Native, heavy..... | 7 1/2 a 8 |
| " " light..... | 7 a 7 1/2 |
| Common to fair Native..... | 6 1/2 a 7 |
| Choice Western, heavy..... | 7 a 7 1/2 |
| " " light..... | 6 1/2 a 7 |
| Good to prime Westerns..... | 6 1/2 a 7 |
| Common to fair Texan..... | 5 a 6 1/2 |
| Good to choice Heifers..... | 6 a 6 1/2 |
| Common to fair Heifers..... | 5 a 6 |
| Choice Cows..... | 5 a 6 1/2 |
| Common to fair Cows..... | 5 a 6 |
| Good to choice Oxen and Stags..... | 5 1/2 a 6 1/2 |
| Common to fair Oxen and Stags..... | 5 a 6 1/2 |
| Choice Bulls..... | 5 1/2 a 6 1/2 |
| Common Bulls and Cows for Bologna..... | 4 a 5 |

LIVE CALVES.

Demand better and market firm at $\frac{1}{4}$ c. advance. Buttermilks steady at below prices. No Western calves. We quote:

| | |
|---------------------------------------|-----------|
| Live veal calves prime, per lb..... | a 6 1/2 |
| " " common to good..... | a 6 |
| Live Calves, buttermilks, per lb..... | 4 a 4 1/2 |

DRESSED CALVES.

City dressed are in fair demand and maintaining prices. Country dressed in free supply, but with a slow trade market ruled weak, though prices held about the same, except on

buttermilks and small calves, which declined fully $\frac{1}{4}$ c. We quote:

| | |
|------------------------------|----------------|
| City dressed..... | 9 1/2 a 10 1/2 |
| Country dressed, choice..... | 7 1/2 a 8 1/2 |
| " " good..... | 7 a 8 |
| " " common..... | 6 a 7 |
| " " buttermilks..... | 5 a 6 1/2 |
| " " grassers..... | 5 a 6 |
| " " small..... | 5 a 6 1/2 |

LIVE HOGS.

Market steady at about 10c. advance. Pigs improving, and nothing in roughs asking above 83. We quote:

| | |
|----------------------------|-------------|
| Hogs, heavy..... | 3 90 a 4 00 |
| Hogs, light to medium..... | 4 00 a 4 05 |
| Pigs..... | 4 15 a 4 20 |
| Roughs..... | a 3 00 |

DRESSED HOGS.

A little advance on last week's figures, and market firm. We quote:

| | |
|-------------------------|---------------|
| Hogs, 160 and over..... | a 5 |
| Hogs, 140 and over..... | 5 1/2 a 5 3/4 |
| Hogs, 120 and over..... | a 5 1/2 |
| Hogs, light..... | 5 1/2 a 6 |
| Pigs, medium..... | a 6 |
| Country dressed..... | 4 a 6 1/2 |

LIVE SHEEP AND LAMBS.

Supply fair; sheep ruled firm, though prices averaged a shade lower, hardly anything exceeding $\frac{1}{4}$ c. Lambs were active, but no higher. We quote:

| | |
|--|---------------|
| Live spring lambs, Southern, per lb..... | 5 1/2 a 6 1/2 |
| " " sheep, good to prime..... | 3 1/2 a 4 |
| " " poor to fair..... | 2 a 3 |

DRESSED SHEEP AND LAMBS.

The market has been quiet this week, and buyers can find choice lambs at about $\frac{1}{4}$ c. lower. Sheep steady, and with a possibility of an advance in the course of a day or two. We quote:

| | |
|-----------------------------|---------------|
| Good to choice lambs..... | 9 a 10 |
| Common to medium lambs..... | 6 1/2 a 8 |
| Good to prime sheep..... | 6 1/2 a 7 1/2 |
| Common to medium..... | 5 1/2 a 6 1/2 |

PROVISIONS.

The market is very unsettled; smoked hams are offered at $8\frac{1}{2}$ @10c. California hams from $6\frac{1}{2}$ @7 1/2c., but neither moving freely; fresh pork loins have dropped to below figures; outside quotations firm. We quote:

(JOBBER TRADE).

| | |
|-------------------------------------|---------------|
| Smoked hams, 10 lbs. average..... | a 10 |
| " " 12 to 14..... | a 9 1/2 |
| " " heavy..... | 8 1/2 a 9 1/2 |
| California hams, smoked, light..... | 7 a 7 1/2 |
| " " heavy..... | 6 1/2 a 7 1/2 |
| Smoked bacon, boneless..... | 8 a 8 1/2 |
| " (rib in)..... | 7 1/2 a 8 1/2 |
| Dried beef sets..... | a 15 |
| Smoked beef tongues, per lb..... | a 16 |
| " shoulders..... | 6 a 6 1/2 |
| Pickled bellies, light..... | 6 1/2 a 7 |
| " heavy..... | 5 1/2 a 6 |
| Fresh pork loins, City..... | 6 1/2 a 7 1/2 |
| " Western..... | 6 a 7 |
| Pork tenderloins..... | 15 a 16 |

LIVE POULTRY.

The market ruled firm at about former prices. Fowls all sold at 10c. and roosters 6c. A few of the best Indiana chickens brought 13c., but 12 1/2c. was generally top for fancy large, and best far Western did not exceed 12c., with small ranging down to 11c. per lb. Turkeys dull at former prices. Ducks in large accumulation and weak. Geese steady. Pigeons lower. We quote:

| | |
|---|-------------|
| Turkeys..... | 7 a 8 |
| Fowls, Local, per lb..... | a 10 |
| " " Western..... | a 10 |
| " " Southern and Southwestern..... | a 10 |
| Boosters, old, per lb..... | a 6 |
| Ducks, per pair, Western..... | 49 a 60 |
| " " Southern..... | 40 a 60 |
| " " Local..... | 50 a 60 |
| Geese, per pair, Western..... | 75 a 1 00 |
| " " Southern and Southwestern..... | 75 a 1 00 |
| " " Local..... | a 1 00 |
| Spring Chickens, 4 to 5 lbs. to pair, per lb..... | 12 1/2 a 13 |
| " " 3 to 4 lbs. " per lb..... | 11 1/2 a 12 |
| " " 2 lbs. and under, per lb..... | a 11 |
| Pigeons, per pair, old..... | a 20 |
| " " young..... | 10 a 5 |

DRESSED POULTRY.

The continued moderate supplies of Western fowls, with light receipts expected for a few days, encourages holders to try and crowd prices a trifle higher; 10c. is the highest price for finest marks of Northern In-

diana dry picked, while Southwestern are held at 9 1/2c., and enough business has been done at those figures to warrant the quotations, though the demand is not active and buyers are inclined to shop before paying the advance. Scalded fowls are not in favor, and have to be shaded $\frac{1}{4}$ c. under dry picked of equal quality. Spring chickens plenty and slow, with prices weak and irregular. Eastern and Long Island ducks not too plenty, and prices without improvement. Eastern geese very slow. Squabs plenty and unchanged. We quote:

| | |
|---|-------------|
| Turkeys, average lots..... | 7 a 9 |
| Spring chickens, Phila., 3 1/2 to 4 lbs. to pair..... | a 17 |
| " " " 3 lbs. & und. to pair..... | a 16 |
| " " " West, d-p, 3 1/2-4 lbs. to pr. lb..... | a 14 |
| " " " " under 3 lbs..... | 10 a 12 1/2 |
| " " " " scald, 4 lbs. to pr. lb..... | a 13 |
| " " " " under 3 lbs..... | 9 a 11 |
| Fowls, State and Penn., good to prime..... | 9 1/2 a 10 |
| " " No. Ill., Ind., etc., dry-picked, small..... | a 9 |
| " " Sou. Western, dry-picked, small..... | a 9 1/2 |
| " " Western, scalded, small..... | a 9 1/2 |
| " " Western, heavy..... | 9 a 9 1/2 |
| " " Western, poor to fair..... | 7 a 8 1/2 |
| Old Cocks, Western..... | 5 a 5 1/2 |
| Ducks, Eastern, spring, per lb..... | 11 1/2 a 12 |
| " " L. I., spring, per lb..... | a 12 |
| " " Western, Spring, per lb..... | 7 a 8 |
| Squabs, choice, large, white, per doz..... | a 1 75 |
| Geese, Eastern, spring, white, per lb..... | 17 a 18 |
| " " " " dark..... | 13 a 16 |

FISH.

| | |
|-----------------------|-----------|
| Cod, heads off..... | 4 a 6 |
| " " heads on..... | 2 a 2 1/2 |
| Halibut..... | 6 a 10 |
| Striped bass..... | 12 a 15 |
| Bluefish..... | 4 a 5 |
| Eels, skinned..... | 6 a 10 |
| " " skin on..... | 3 a 8 |
| White perch..... | 3 a 8 |
| Flounders..... | 2 1/2 a 3 |
| Salmon, Kennebec..... | 18 a 20 |
| Smelts..... | a 8 |
| " " green..... | 3 a 8 |
| Lobsters, large..... | 15 a 20 |
| " " medium..... | 8 a 10 |
| Herrings..... | 14 a 2 |
| Red snappers..... | a 2 |
| Mackerel, medium..... | a 10 |
| " " large..... | 14 a 15 |
| " " Spanish..... | 10 a 12 |
| Shad, roes..... | a 2 |
| Scallops..... | a 3 |
| Soft crabs..... | 35 a 75 |
| Porgies..... | 1 1/2 a 3 |
| Weakfish..... | 2 a 4 |

GAME.

We drop quotations for game, as there is only a small stock of frozen on hand. Market neglected, prices nominal.

BUTTER.

NEW BUTTER.

| | |
|--|-----------------|
| Creamery, Western, extras, per lb..... | a 15 |
| " " " firsts..... | 14 a 15 |
| " " " seconds..... | 12 a 13 |
| " " " thirds..... | 11 a 11 1/2 |
| " " State, extras..... | a 15 |
| " " State, firsts..... | a 15 |
| " " " thirds to firsts..... | 11 a 13 |
| State dairy, half firkin tubs, extras..... | a 14 |
| " " " firsts..... | 12 1/2 a 13 1/2 |
| " " " seconds..... | 11 a 12 |
| " " Welsh tubs, fancy..... | 13 1/2 a 14 |
| " " " firsts..... | 12 a 13 |
| " " " seconds..... | 11 a 11 1/2 |
| " " Tubs..... | 10 a 10 1/2 |
| Western imitation creamery, fancy..... | 12 a 12 1/2 |
| " " " firsts..... | 10 1/2 a 11 |
| " " " seconds..... | 9 1/2 a 10 |
| " " factory, extra..... | 9 a 10 1/2 |
| " " " firsts..... | a 10 |
| " " " seconds..... | 9 a 9 1/2 |
| " " " thirds..... | 7 1/2 a 8 1/2 |

CHEESE.

NEW CHEESE.

| | |
|---|---------------|
| State, full cream, large, colored, fancy..... | a 7 1/2 |
| " " " white..... | a 7 1/2 |
| " " " choice..... | 7 1/2 a 7 3/4 |
| " " " fair to good..... | 6 3/4 a 7 |
| " " " common..... | 6 a 6 1/2 |
| " " colored, small, fancy..... | 7 1/2 a 7 3/4 |
| " " " white..... | 7 a 7 1/2 |
| " " small, choice..... | 6 1/2 a 6 3/4 |
| " " " fair to good..... | 6 a 6 1/2 |
| " " light skins, choice..... | a 5 1/2 |
| " " part..... | 4 1/2 a 4 3/4 |
| " " good to prime..... | 4 1/2 a 4 3/4 |
| " " common to fair..... | 3 a 4 |
| " " full skims..... | 2 a 3 |

EGGS.

| | |
|--|-------------|
| State and Penn., prime to choice, per doz..... | 12 1/2 a 13 |
| Mich., North Ohio and North. Ind., fancy..... | 11 1/2 a 12 |
| Other Western, choice..... | 11 1/2 a 12 |
| Western, fair to good (30-doz. case)..... | 1 80 a 2 40 |
| Western, poor to fair (30-doz. case)..... | 1 20 a 1 80 |
| Western, dirties, per case..... | 1 20 a 1 80 |
| Western, checks and cracks, per case..... | 50 a 1 00 |

WANTED.--FOR SALE.--BUSINESS OPPORTUNITIES.

NOTICE.

Advertisements in this column to occupy one inch or less are inserted at the minimum rate of one dollar per insertion (one inch of eight lines or less). Fifteen cents per line for every additional line above eight lines. Double rates for headlines.

POSITIONS WANTED.

TO PACKERS.

A YOUNG MAN OF 15 YEARS' EXPERIENCE in the packing business (as assistant under a manager of 40 years' experience), would like position as superintendent or working foreman. Has made a special study of packing house economy, and is an expert on American and European cuts; capable of breaking in new men; can give the very best of references. Address M. E. R., Box 86, THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

POSITION WANTED.

Position wanted by a practical soap maker. Capable of managing a factory of any capacity. Thirteen years of experience in the bleaching and refining of cotton oil. Address J. C., Box 36, care THE NATIONAL PROVISIONER, 284-6 Pearl street, New York.

BUTCHER wants situation; sober, industrious, 6 years' experience, best of references. M. GRIFFIN, 513 W. 48th street, New York City.

A practical work on Ammonia Refrigeration. Send One Dollar (\$1.00) to THE NATIONAL PROVISIONER, and we will send you one copy of Redwood's Theoretical and Practical Ammonia Refrigeration. 146 Pages cloth bound.

LIVE & DEAD STOCK, ANIMAL PRODUCTS AGENTS, PROVISION AGENTS & DEALERS
(correspondence solicited)
EDWD HEYMANS & FILS { PARIS
(Etab. 1872) 19, rue Béranger { FRANCE

E. S. NUTE

E. E. JOHNSTON.

NUTE & JOHNSTON,

COMMISSION BUYERS OF

HOGS, SHEEP AND CATTLE.

N. Y. CENTRAL LIVE STOCK YARDS
EAST BUFFALO, N. Y.

OFFICE, ROOM 15, EXCHANGE BUILDING.

HELP WANTED.

WANTED.—A GOOD BUTCHER WHO understands making bolognas. Apply F. W. Waters, 612 Ninth avenue, New York City.

WANTED.—A GOOD BUTCHER, SINGLE man. Apply 493 Court street, Brooklyn, N. Y.

FOR SALE.

FOR SALE.

6-Ton Refrigerating Machine WITH ENGINE.

Four and a Half Ton Refrigerating Machine Belt Power.

Taken in Exchange for Larger Machines.

Also One Good Forty H. P. Boiler.

REMINGTON MACHINE CO., Wilmington, Del.

PRESSES FOR SALE CHEAP

Three Johnson Filter Presses, 36 Plates, 18 inches diameter, and
One Filter Press, 30 Plates, 18 inches square. Will stand 1000 pounds to the square inch. Also
One No. 3 Oleo Press.

JOSEPH LISTER,
1158-1160 Elston Avenue, Chicago.

TO LET—An old established and well paying butcher and grocery store in the Annexed District of New York City; complete bologna fixtures in basement; or would sell the house with stores complete, at any reasonable offer. Apply to A. KLEINHENZ, Wakefield, N. Y.

\$1--ONE DOLLAR.

Send us \$1, and we will send to you one copy of Redwood's Theoretical and Practical Ammonia Refrigeration. 146 pages, cloth bound.

The National Provisioner Publishing Co.,

NEW YORK:
284-286 Pearl St.

CHICAGO:
11 Rialto Building.

OUR YELLOW BOOK

...The... Manufacture of Cotton Seed Oil

AND ALLIED PRODUCTS

IS NOW READY!

NOTICE.

This book is now ready for delivery, price, \$3 per copy.

Registered postage, 25 cents. Send check or postal order for \$3.25.

TABLE OF CONTENTS.

COTTONSEED OIL MANUFACTURE:

- The fundamental principles of oil milling.
- A systematic analysis of cake indispensable.
- Extremes of temperatures in cooking the meals equally wasteful.
- Short time pressing baneful in its results.
- The steam pressure gauge an important factor.
- The recording thermometer used to indicate past conditions present in heater.
- Pressure and its correct application in the obtaining of extractable oil.
- The recording hydraulic pressure gauge.
- Modern heaters, their construction and operation.
- The difficulty experienced in treating meals.
- Hints to practical oil millers with regard to pressroom appliances and methods.
- Refining and filter press classification.
- Evils attending the use of the hair mat.
- Hard cake and measures for its prevention.
- The manufacture of cottonseed oil on a small scale incompatible with economy.

LATEST METHODS FOR REFINING OF COTTONSEED OIL:

Cottonseed Oil for soap making.

CAKE ANALYSIS:

Testing process, apparatus required, cost of same.

IMPORTANT ADDENDA:

FILTER PRESSES AND OTHER MACHINERY.

RULES REGULATING TRANSACTIONS IN COTTONSEED OIL AMONG MEMBERS OF THE NEW YORK PRODUCE EXCHANGE.

BUTTERINE AND MARGARINE MANUFACTURERS IN EUROPE.

COTTON OIL MILLS IN THE UNITED STATES.

The National Provisioner Publishing Co.

284 & 286 Pearl Street, New York.
11 Rialto Building, Chicago.

FOR SALE:—

BEEF REFRIGERATOR IN SCHENECTADY, N. Y.

Scales, Tracks and Fittings Complete in Every Respect. Stable in connection. Everything in first-class shape. House but one year old.

Address G., Box 214, "THE NATIONAL PROVISIONER," 284-6 Pearl Street, New York City.

BUTCHERS' SUNDRIES.

| | |
|------------------------|-------------------|
| Fresh Beef Tongue | 65c |
| Calves' heads, scalded | 35 to 40c a piece |
| Sweet breads | 35 to 40c a pair |
| Calves' livers | 30 to 45c a piece |
| Beef kidneys | 19 to 20c a piece |
| Mutton kidneys | 3c a piece |
| Livers, beef | 40 to 60c a piece |
| Oxtails | 6 to 8c a piece |
| Hearts, beef | 13 to 20c a piece |
| Rolls, beef | 10 to 12c a lb |
| Butts, beef | 6 to 8c a lb |
| Tenderloins, beef | 25 to 35c a lb |
| Lamb fries | 10c a pair |

BONES, HOOFS, HAIR AND HORNS.

| | |
|---|---------|
| Round shin bones, dry, 50 pieces to 100 | \$35.00 |
| Flat shin bones, dry, 42 pieces to 100 | 42.00 |
| Thigh bones, 75 pieces to 100 | 75.00 |
| Horns | 22.00 |
| Horns, 7 1/2 ounces and over | 145.00 |
| " 7 1/2 ounces and under | 110.00 |
| " No. 3 | 60.00 |
| Gluestock, per 100 lbs | 90c |
| Hair tails | 3 1/4c |

GREEN CALF SKINS.

The market is decidedly strong with the prospect of better figures, but from all sources in the city we cannot find other than the below prices paid by the principal dealers during the week. The rumors might have aided one city firm in effecting a few more sales, but we are afraid the butchers got left, with no more than what we quote placed to their credit. We quote:

| | |
|------------------------------------|------|
| Veal Skins, No. 1 | 16 |
| Veal Skins, No. 2 | 14 |
| Buttermilk, No. 1 | 11 |
| Buttermilk, No. 2 | 9 |
| Kips, No. 1, Heavy, 18 lbs. and up | 2.10 |
| Kips, No. 1, Light, 14 lbs. and up | 1.80 |
| Kips, No. 2, Heavy | 1.80 |
| Kips, No. 2, Light | 1.40 |
| Buttermilk Kips | 1.40 |
| Branded Kips | 1.30 |
| C. S. No. 3 | 40 |
| Bobs | 25 |

SHEEPSKINS.

Market dull. Shearings 40c., lambskins 50 @ 75c., dry salted country pelts 35c., lambskins 50c.

BUTCHERS' FAT.

| | |
|-----------------------|--------|
| Rough butcher's fat | 1 1/4c |
| Inferior | 1 |
| Best, fresh and heavy | 2 1/2c |
| Shop bones (per cwt.) | 20 |

SAUSAGE CASINGS.

| | |
|---|-------|
| Sheep, imported, wide, per bundle | 64 |
| " " medium, per bble | 32.00 |
| " " narrow | 34 |
| " " domestic | 40 |
| Hog, American, tcs, per lb | 12 |
| " " bbls, per lb | 13 |
| " " 1/2 bbls, per lb | 14 |
| " " kegs, per lb | 14 |
| Beef guts, rounds, per set (100 feet), f.o.b. N. Y. | 14 |
| " " " " " " " " " " " " | 13 |
| " " " " " " " " " " " " | 3 |
| " " " " " " " " " " " " | 4 |
| " " " " " " " " " " " " | 5 1/2 |
| " " " " " " " " " " " " | 4 |
| " " " " " " " " " " " " | 42 |
| " " " " " " " " " " " " | 40 |
| " " " " " " " " " " " " | 6 1/2 |
| " " " " " " " " " " " " | 7 |
| " " " " " " " " " " " " | 4 1/2 |
| " " " " " " " " " " " " | 2 |
| " " " " " " " " " " " " | 3 |
| " " " " " " " " " " " " | 12 |
| " " " " " " " " " " " " | 20 |

SALTPETRE.

| | |
|--------------------|--------|
| Crude | 3 1/2c |
| Refined-Granulated | 4 1/2c |
| Crystals | 4 1/2c |
| Powdered | 5 1/2c |

SPICES.

| | Whole | Ground |
|---------------------|-------|--------|
| Pepper, Sing. Black | 8 | 9 |
| " " White | 12 | 13 |
| " " Red Zanzibar | 12 | 13 |
| " " Shot | 9 | 10 |
| Allspice | 8 | 10 |
| Coriander | 8 | 7 |
| Cloves | 10 | 12 |
| Mace | 45 | 50 |
| Nutmegs, 110s | 48 | 50 |
| Ginger, Jamaica | 23 | 26 |
| " " African | 8 | 10 |
| Sage Leaf | 10 | 12 |
| " " Bubbed | 10 | 12 |
| Marjoram | 25 | |

CHEMICALS AND SOAP MAKERS' SUPPLIES.

74 per cent. caustic soda, 2c. for 60 per cent.; 76 per cent. caustic soda, 2.05c. for 60 per cent.; 80 per cent. caustic soda 2.25c. lb.; 98 per cent. powdered caustic soda, 3 1/2c. lb.; sal soda, 60c. per 100 lb.; carbonate

of potash, 4 1/2 @ 5 1/2c. lb.; caustic potash, 4 1/2 @ 5 1/2c. lb.; borax, 5 1/2c. lb.; talc, 1 1/2c. lb.; Cochiti coconut oil, 6 @ 6 1/2c. lb.; Ceylon coconut oil, 5 @ 5 1/2c. lb.; palm oil, 4 1/2 @ 4 3/4c. lb.; palm kernel oil, 5c. lb.; yellow olive oil, 5 1/2c. gallon; green olive oil, 5 1/2c. gallon; green olive oil foots, 4 1/2 @ 4 3/4c. lb.; cottonseed soap stock, 1 1/2c. lb.; rosin, \$2 @ 2.75 per 280 lb.

The Fertilizer Market.**NEW YORK MARKET.**

There is a moderate inquiry for most descriptions, the chief demand coming from Southern buyers. Lending ammoniates are steady, but business is moderate in volume and shows no developments. Potash salts are steadily maintained at agents' prices, but manufacturers supply their chief wants from deliveries on contract. Nitrate of soda has become somewhat easier on freer offerings and ship and values receded slightly. We quote:

| | | |
|--|----------|----------|
| Ground bone, fine average, per ton | \$18.50 | \$22.00 |
| Kainit, future shipment, per 2,000 lbs. | 8.80 | 8.90 |
| Kainit, ex store, in bulk | 8.40 | 8.90 |
| Kaiseret, future shipments | 7.25 | 7.50 |
| Muriate potash, 80 per cent., fut. ship | 1.75 | 1.78 |
| Muriate potash, 80 p. c., ship, ex store | 1.78 | 1.80 |
| Nitrate of soda, spot | 1.67 1/2 | 1.72 1/2 |
| Nitrate of soda, futures | 1.65 | 1.67 1/2 |
| Double manure salt (48 a 49 per cent. less than 2 1/2 per cent. chloride), to arrive, per lb. (basis 48 per cent.) | 1.01 | 1.01 1/2 |
| The same, spot | 1.02 | 1.03 |
| High grade manure salt (50 a 55 per cent. sulphate potash), to arrive (basis 50 per cent.) | 1.96 1/2 | 2.00 1/2 |
| Manure salt in bulk, 24 a 26 per cent. per unit O. P. | 36 1/2 | 37 1/2 |
| Bone black, spent, per ton | 16.00 | 16.50 |
| Ammon. superphos., high grade | 25.00 | 26.00 |
| Dried blood, New York, high grade, fine ground | 1.60 | 1.65 |
| Dried blood, West., high gr., fine ground | 1.55 | 1.60 |
| Tankage, per ton | 13.50 | 14.00 |
| Asotins, per unit | 1.65 | 1.70 |
| Fish scrap, wet (at factory), f. o. b. | 8.50 | 9.00 |
| " " dry | 17.50 | 18.00 |
| Sulphate ammonia, gas, per 100 lbs. | 2.10 | 2.20 |
| Sulphate ammonia, bone, per 100 lbs. | 2.00 | 2.05 |
| South Carolina phosphate rock, ground, per 2,000 lbs. | 5.80 | 5.75 |
| South Carolina phosphate rock, undried, f. o. b. Ashley River, per 2,400 lbs. | 3.25 | 3.30 |
| The same, dried | 3.25 | 3.35 |

THE GLUE MARKET.

There is a fair business doing for the season. All grades continue in good supply and at unchanged figures. Foreign makes very firm and neglected. We quote:

| | |
|------------------|---------|
| A Extra, white | 25c |
| 1 Extra | 18c |
| 1 | 16c |
| 1 X | 14c |
| 1 1/2 Hds, brown | 13 1/2c |
| 1 1/2 " " | 13c |
| 1 1/2 " " | 12c |
| 1 1/2 Bone | 10c |
| 1 1/2 " " | 9c |
| 1 " " | 8c |
| 1 " " | 7c |

NATURE'S LAKE OF SOFT SOAP.

The Great Northern Railway Company has just announced a rate of 60 cents per 100 pounds on soap slush from Northern Pacific coast points to Chicago and Mississippi and Missouri River points. Some one has requested a rate on this commodity, but there does not appear to be many people who know what soap slush is. One ingenious gentleman said that it was the product of certain small lakes on the line of the road that is filled with a thick silica water, which, when one's hands are washed in it, gives a lather that would bring joy to the heart of any washerwoman or tonsorial artist. When the hair is washed in this wonderful native product the head swells with lather till it takes the proportions of a snow mountain. Sunburn on the face vanishes as mist before the sunshine in June.

"There is a lake of this wonderful liquid," said this veracious informant, "over on the east side. It is a mile long and proportionately broad. Do you know that we are really yet in ignorance of what we have in this country?"

Local soap people, when asked to define and tell about soap slush, were nonplussed. They gave it up. Another party said that not long ago he received a curious product from Walla Walla, a kind of sand mixed with soap substances, from which it was thought soap could be probably made here to supply the washerwomen of the goat commons in the New York suburbs.

A last effort to determine the character of soap slush elicited the information that the commodity originated at Portland, probably at the horse meat cannery. —Seattle Times.

CHICAGO MARKETS.**LARDS.**

| | |
|-------------|--------|
| Prime Steam | 3 1/2c |
| Neutral | 4 1/2c |
| Compound | 3 1/2c |

STEARINES.

| | |
|----------------|--------|
| Oleo-stearines | 4 1/2c |
|----------------|--------|

OILS.

| | |
|--------------------|--------|
| Lard oil, Extra | 32 |
| " " No. 1 | 29 |
| " " No. 1 | 25 |
| " " No. 2 | 24 |
| Oleo oil, "Extra" | 6 1/2c |
| Nestle's Oil, Pure | 45 |
| Extra | 35 |
| No. 1 | 31 |

TALLOW.

| | |
|----------------|--------|
| Tallow Oil | 32 |
| Packers' Prime | 3 1/2c |
| No. 2 | 2 1/2c |
| Edible Tallow | 3 1/2c |

GREASES.

| | |
|--------|-------|
| Brown | 2 |
| Yellow | 2 1/2 |
| White | 3 |
| Bone | 2 1/2 |

BUTCHERS' FAT.

| | |
|--------------------------|--------|
| Rough shop fat | 1 1/4c |
| Inferior or black fat | 1 1/2c |
| Suet | 2 1/2c |
| Shop Bones, per 100 lbs. | 20 |

COTTONSEED OIL.

| | |
|---------------------|----|
| P. S. Y., in tanks | 22 |
| Crude | 20 |
| Butter oil, barrels | 28 |

FERTILIZER MARKET.

| | | |
|--|-------|----------------|
| Dried blood, 16 to 17 units | 1.60 | Ugho, f. o. b. |
| Hoof meal, per unit | 1.35 | |
| Concent tankage, 14 to 15 p. c. p. unit | 1.30 | |
| Unground tankage, 10 to 11 p. c. per ton | 14.00 | |
| Unground tankage, 9 & 20 p. c. per ton | 13.00 | |
| Unground tankage, 8 & 30 p. c. per ton | 12.50 | |
| Unground tankage, 7 & 30 p. c. per ton | 10.90 | |
| Unground tankage, 6 & 35 p. c. per ton | 9.50 | |
| Bone meal, per ton | 18.00 | |
| Bones, rough, "packers" | 16.50 | |
| Steamed bone meal per ton | 15.00 | |
| Ground tankage, \$1 per ton extra | | |

HORNS, HOOFS AND BONES.

| | |
|------------------|-----------------------------------|
| Horns No. 1 | \$170 per ton 55-70 lbs. average |
| Horns | \$20.70 per ton |
| Round Shin Bones | \$47.00 " " |
| Flat Shin Bones | \$37.50 " " |
| Thigh Bones | \$90 per ton, 90-100 lbs. average |

PACKERS' SUNDRIES.

| | |
|------------------|---------|
| Pork loins | 7 1/2c |
| Pocket Picoes | 4 |
| Tenderloins | 12 1/2c |
| Spare ribs | 11 1/2c |
| Trimminings | 4 1/2c |
| Ham Trimminings | 4 1/2c |
| California Butts | 5 1/2c |
| Boston butts | 5 1/2c |
| Cheek Meat | 3 1/2c |

CURING MATERIALS.

| | |
|--|--------|
| Sugar in New Orleans is quoted as follows: | |
| Pure open kettle | 2 1/2c |
| White, clarified | 3 1/2c |
| Plantation granulated | 3 1/2c |

COOPERAGE.

| | |
|--------------|---------|
| Barrels | 67 1/2c |
| Lard tierces | 75 |

CHICAGO LIVE STOCK.**RECEIPTS FOR WEEK ENDING JULY 12.**

| | Cattle | Calves | Hogs | Sheep |
|----------------|--------|--------|---------|--------|
| July 6 | 4,261 | 747 | 11,266 | 12,597 |
| " 7 | 15,745 | 1,476 | 27,879 | 13,657 |
| " 8 | 7,471 | 859 | 33,120 | 14,244 |
| " 9 | 3,303 | 438 | 16,727 | 6,844 |
| " 10 | 696 | 35 | 11,919 | 8,986 |
| " 12 | 21,900 | 290 | 42,000 | 17,000 |
| Total | 52,476 | 3,455 | 132,011 | 73,238 |
| Previous week | 49,630 | 2,948 | 130,769 | 49,822 |
| Same week, '96 | 45,915 | 2,232 | 110,748 | 48,054 |
| " '95 | 49,738 | 5,152 | 87,373 | 61,266 |

Average weight of hogs last week 235 lb, against 237 lb the previous week, 240 lb a month ago, 247 lb a year ago; 234 lb two years ago and 227 lb three years ago.

BUTCHERS.

The following Mortgages on Butchers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, July 10, 1897. They are a reprint of our Advance Sheet, sent out to houses on July 10, who subscribe to same.

NEW YORK CITY.

Fleischer, Benj., 107 Columbia; to D. Gellinger.....\$100
Faust, Wm., 558 2d Ave.; to Geo. A. Faust.....300
Flanger, Philip, 154 Attorney; to M. Eisen.....200
Goldberg, Jacob, 37 Sheriff; to Ida Goldberg (Ice Wagons).....100
McKeon, James; to W. H. Smith (Ice Wagon).....134
Pinkus, E., 2333 2d Ave.; to H. Cohen.....100
Schirm, Albert, 548 10th Ave.; to F. Kummel.....1,200

KINGS COUNTY.

Bruns, O., 431 Lafayette Ave.; to Fitter & Reich.....150
Fluhr, P., 44 Floyd; to S. Furcht.....175
Sondermann, E., 602 Nostrand Ave. and 19 Herkimer Place; to Wm. Gehr.....1,250

Bills of Sale.

Lang, G., 1621 Broadway; to H. Lang. 175

Directory and Handbook

OF THE
MEAT AND PROVISION INDUSTRIES

Of the United States and Canada.

7000 Names. 440 Pages

Half tone paper, illustrated, well bound in cloth.

Secure a Copy.

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7000

PRICE, \$10.

7000 Names of Pork and Beef Packers.
Wholesale Butchers & Slaughterers.
Wholesale Dealers in Meats.
Wholesale Provision Dealers.
Lard Renderers and Refiners.
Oleomargarine and Butterine Mfrs.
Tallow Renderers and Dealers.
Provision Brokers & Com. Merchants.
Cottonseed Oil Mfrs. and Refiners.
Sausage Manufacturers.
Fertilizer Manufacturers & Dealers.
Soap and Candle Makers.

PART II.

- I.—Illustrated Articles showing all cuts of meats for domestic and export markets. The latest methods of killing, chilling, curing and making brines. Tests, tables, export weights, boxed meats, tank, lard, sausage departments.
- II.—Receipts for Sausage Makers.
- III.—Cottonseed Oil Manufacture and Appliances. Latest Machinery and its Use.
- IV.—Historical and Statistical Survey of the Trade.

The National Provisioner Publishing Co.

284-286 Pearl Street, New York.

11 Bialto Bldg., Chicago, Ill.

Do you want to purchase a **NATIONAL CASH REGISTER** AT ONE-HALF ITS VALUE? or EXCHANGE your old Register for a better improved one at a small difference in cash? Bear in mind the goods offered at 124 EAST 14th STREET, NEW YORK, are equal to any shown elsewhere at a much higher price. **TWO YEARS' GUARANTEE** given with each Register. **REPAIRING** done at a very reasonable figure. **SUPPLIES** cheaper than elsewhere.

F. BRAININ.

A. E. MACADAM,
BUTCHERS' ROLL AND FLAT PAPER

Paper Bags, Twines, Butter Dishes and Boxes of every description.

265 GREENE AVE., BROOKLYN.

TELEPHONE 226 BEDFORD.

WE ARE SHORT OF COPIES OF THE NATIONAL PROVISIONER OF THE DATES OF JAN. 25, 1896, AND JAN. 9, 1897. WE WOULD BE OBLIGED IF OUR FRIENDS WOULD SEND US COPIES OF THOSE DATES, AND WE WILL CREDIT THEIR SUBSCRIPTION ACCOUNT ACCORDINGLY.

GROCERS.

The following Mortgages on Grocers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, July 10, 1897. They are a reprint of our Advance Sheet, sent out to houses on July 10, who subscribe to same.

NEW YORK CITY.

Cohn, Abraham, 170 Suffolk; to S. Goldenberg.....100
Stegemann, Hinrich, 511 West 28th; to H. Tepperurn.....300
Weiden, G. H., 115 West 30th; to T. W. Pierce.....700
Zweissig, Adam, Rockaway Beach; to Ward & Judson (Hotel).....250

Bills of Sale.

Burros, Anna, 227 Clinton; to Nathan Burros.....400
Mariash, Albert, 151 Stanton; to L. Whiteman (Butter).....110
Monsees, W. J., 131 West Washington Place; to J. H. Mohlman Co.....1
Rutstein, Rosa, 115 Essex; to I. Michel-son.....735

KINGS COUNTY.

Carl, G., 380-382 Bushwick Ave.; to P. Carl.....1,500
Crawford, H. A., 168 Ralph Ave.; to K. Rothschild's Sons Co.....450
Holland, S. M., 123 North 4th; to F. Meyer.....650
Meyer, L., Throop and Lafayette Ave.; to H. Evers.....500
Wagner, C., Willoughby and Prince Sts.; to Amanda Froesch.....177
Witt, P., 524 3d Ave.; to W. D. C. Scheelje.....93
Wilkins & Thompson, 282 7th Ave.; to Seeman Bros.....325

Bills of Sale.

Accinni, Rosa, 64 Columbia; to Luigi Moschettin (Restaurant).....250
Lang, E., 187 Irving Ave.; to G. Amend.....737
Meyer, F., 123 North 4th; to S. M. Holland.....Nom.
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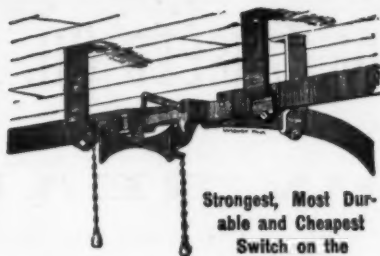
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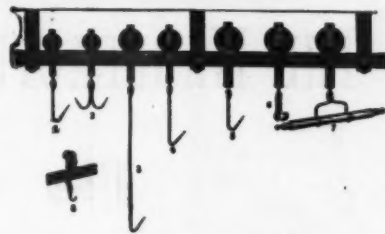


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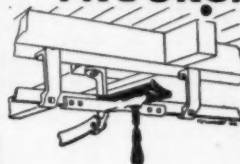
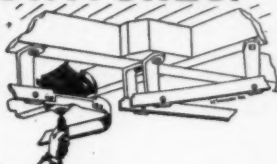
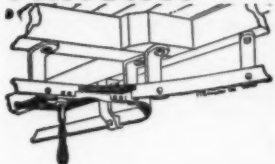


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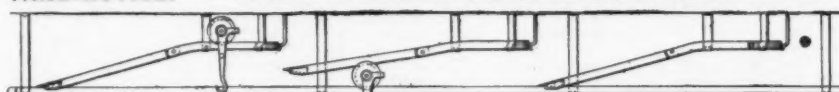


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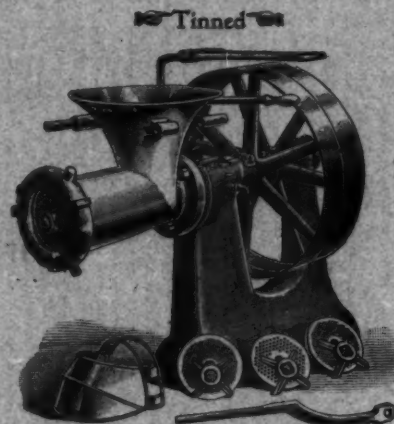
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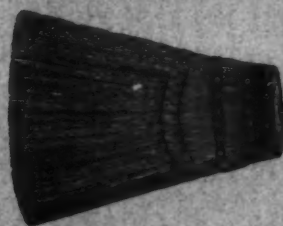
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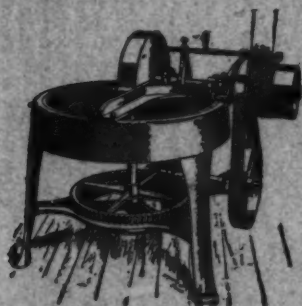
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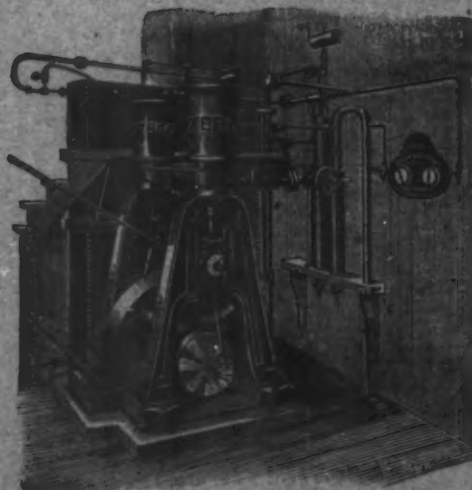
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